# ZEISET EQUIPMENT LLC

est. 1988

**Poultry, Swine, & Livestock Equipment
Sales, Installation, & Service**

# 2022 Parts Catalog

# Company History

Zeiset Equipment LLC was founded in 1988 by Marvin Zeiset. This beginning was just a continuation of a family legacy. Marvin was born into a family of progressive innovators in the poultry industry dating back to the late 1800s. His great-grandfather was the first person in Juniata County, Pennsylvania, to hatch eggs with a homemade incubator. Marvin's grandfather saw a need for an improved poultry nest, and in 1952 he made and patented a colony style nest, which was marketed under the name The Favorite Nest. Favorite Manufacturing Company continued to expand their line of products, first to a roll-away style nest, then to poultry cage systems. By the late 1970s, Favorite Mfg. Co. was a major supplier of poultry equipment nationwide as well as internationally.

Marvin began working for Favorite Mfg. Co. in 1975, and in 1979 he began working in their research and development department. As a part of Favorite Equipment's research and development team, he gained first-hand experience at meeting the needs of the poultry industry. This served him well in the years to come. He continued working for Favorite Mfg. until they sold the company to Big Dutchman in 1982. At that point Marvin chose to leave the company, and went to work for a local equipment distributor as a service technician.

In 1988, after doing poultry equipment service and maintenance for several years, Marvin decided to start a new venture that would provide equipment service and repairs for local poultry producers. This step marked the beginning of what is today Zeiset Equipment LLC. With God's blessing, we continue to grow and provide housing and equipment solutions for the poultry industry.

As the years passed, we continued to expand our operations. We became a licensed Val-Co dealer in 1996, Jansen Poultry Equipment in 2000,

Big Dutchman in 2006, and L.B. White in 2012. Today, we offer many other supporting products to the agricultural industry.

The year of 2013 brought many changes to Zeiset Equipment. There was a request from our vendors to expand our operations to better serve the Delmarva region. Ownership carefully weighed the option, and after much consideration and prayer, opened a new business in Marydel, Delaware. The new company, Marydel Ag Supply LLC., opened its doors for business May 14, 2014. In addition to a complete line of poultry equipment and supplies, Marydel also has a full line hardware store that adds a valuable link to the local community.

By 2018, we had outgrown our facilities in Manheim, PA and were in need of more warehouse space. Instead of expanding the existing warehouse, we decided to look for options in central PA to diversify our operations. In the spring of 2019, we reached a tentative merger agreement with Central Penn Ag Services LLC, and a property was purchased along Route 522 in Beaver Springs, PA. On August 10, 2020 Zeiset Equipment in Beaver Springs officially opened its doors for business. Much like Marydel Ag Supply, Beaver Springs carries a full line of hardware and building materials to complement the line of agricultural supplies.

In early 2020, during preparations for the opening of the Beaver Springs location, we again received requests from vendors and poultry integrators to expand operations. This time the request was to open a location in Virginia/West Virginia area. With everything else happening within the company this was a very tough decision. After many meetings, discussions, and prayerful consideration, a shop in Moorefield, West Virginia was rented, and the doors officially opened on December 15, 2020.

*As we continue to grow and expand our facilities, staff, and product line, our desire is to continue to offer quality products with courteous service and knowledgeable advice. We desire that every customer feels like they are treated fairly and respectfully. We continue to look to the future with innovative solutions to today's agricultural challenges, and look forward to continuing to serve you in the years to come.*

## ATTENTION CUSTOMERS:

**Due to the ever changing market and extremely fluid prices, we have omitted ALL pricing for this edition. If you would like current pricing, please feel free to call us to get an estimate! We apologize for any inconveniences, but hope to continue to try to provide each of our customers with the best service possible. Thank you all for your business throughout the past year, and we look forward to continuing to serve each one!**

*Thank you for being a valuable customer!*

*Sincerely,*

*From all of us at Zeiset Equipment LLC*

*Our Manheim, PA Location*

*Zeiset Equipment is not responsible for any typing errors. Please be aware that product specifications may change without notice.*

**Zeiset Equipment – Manheim (717) 665-4056 • Beaver Springs (570) 922-4926 • West Virginia (304) 503-7895**

# 2022 Parts Catalog

# FEATURED PRODUCTS

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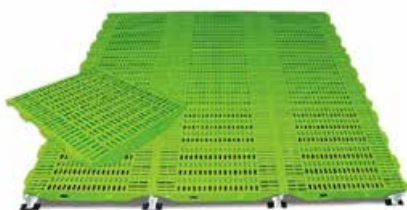**Maximus Controller** — PAGE **126**

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# Bins & Scales

## Looking to get a feed bin installed?
## Call us today!

Zeiset Equipment offers bin assembly, delivery and installation! Our bin trailer is also available for rent. Call our offices today and ask about bin trailer rental!



## Galvanized Bins

### Proudly made in the USA!

**VAL-CO® Bulk Storage Bins** are the ideal structure to protect feed from weather. The weather-tight die-formed roof has reinforcing ribs at the seams for added strength and ease of assembly. The 22" diameter, warp-resistant top lid closes tight to keep out moisture. Bin bolts have a built-in weather seal, and a drip edge keeps water away from the taper hopper and unloading boot. VAL-CO bins are tough! Bin sheets are made of heavy gauge G-90 galvanized steel with 22⅔" wide by ½" deep corrugation. Legs are die-formed with a sturdy bracing system for structural support. High strength bolts are used throughout VAL-CO bins.

### From 116 to 2,149 bushels ...
### We have the right bin size to meet your needs!

| FEED BIN DIAMETER | NUMBER OF RINGS | APPROXIMATE CAPACITY (40#/CUBIC FT.) | | | | | FILL HEIGHT | |
|---|---|---|---|---|---|---|---|---|
| | | 2000 LB. TONS | METRIC TONS | CUBIC FEET | CUBIC METERS | BUSHELS | FEET | METERS |
| **6' Dia. Weigh Bin** 60º Taper Hopper **30º** Roof 16" Opening | 1 | 2.68 | 2.43 | 134.0 | 3.79 | 108 | 10' 8" | 3.03 |
| | 2 | 4.18 | 3.79 | 209.0 | 5.92 | 168 | 13' 4" | 4.06 |
| **6' Diameter** 60º Taper Hopper **40º** Roof 16" Opening | 1 | 2.90 | 2.63 | 144.8 | 4.10 | 116 | 10' 11" | 3.33 |
| | 2 | 4.40 | 4.00 | 220.2 | 6.24 | 177 | 13' 7" | 4.14 |
| | 3 | 5.91 | 5.36 | 295.5 | 8.37 | 237 | 16' 3" | 4.95 |
| | 4 | 7.42 | 6.73 | 370.9 | 10.50 | 298 | 18' 11" | 5.77 |
| **7' Diameter** 67º Taper Hopper 40º Roof 16" Opening Only | 1 | 4.82 | 4.37 | 241.0 | 6.82 | 194 | 14' 7" | 4.45 |
| | 2 | 6.87 | 6.23 | 343.5 | 9.73 | 276 | 17' 3" | 5.26 |
| | 3 | 8.92 | 8.09 | 446.1 | 12.63 | 358 | 19' 11" | 6.07 |
| | 4 | 10.97 | 9.95 | 548.7 | 15.54 | 441 | 22' 7" | 6.88 |
| | 5 | 13.02 | 11.82 | 651.2 | 18.44 | 523 | 25' 3" | 7.70 |
| | 6 | 15.08 | 13.68 | 753.8 | 21.34 | 606 | 27' 11" | 8.51 |
| **9' Diameter** 60º Taper Hopper 40º Roof 16" Opening | 1 | 8.12 | 7.37 | 406.0 | 11.50 | 326 | 15' 6" | 4.72 |
| | 2 | 11.51 | 10.44 | 575.6 | 16.30 | 463 | 18' 2" | 5.54 |
| | 3 | 14.90 | 13.52 | 745.1 | 21.10 | 599 | 20' 10" | 6.35 |
| | 4 | 18.29 | 16.60 | 914.7 | 25.90 | 735 | 23' 6" | 7.16 |
| | 5 | 21.68 | 19.67 | 1084.2 | 30.70 | 871 | 26' 2" | 7.98 |
| | 6 | 25.07 | 22.75 | 1253.7 | 35.50 | 1007 | 28' 10" | 8.79 |
| **12' Diameter** 60º Taper Hopper 40º Roof 16" Opening | 1 | 17.32 | 15.72 | 866.2 | 24.53 | 696 | 19' 1" | 5.82 |
| | 2 | 23.35 | 21.19 | 1167.6 | 33.06 | 938 | 21' 9" | 6.63 |
| | 3 | 29.38 | 26.65 | 1469.1 | 41.60 | 1180 | 24' 5" | 7.44 |
| | 4 | 35.41 | 32.12 | 1770.5 | 50.13 | 1423 | 27' 1" | 8.26 |
| | 5 | 41.44 | 37.59 | 2071.9 | 58.67 | 1665 | 29' 9" | 9.07 |
| | 6 | 47.47 | 43.06 | 2373.3 | 67.20 | 1907 | 32' 5" | 9.88 |
| | 7 | 53.49 | 48.53 | 2674.7 | 75.74 | 2149 | 35' 1" | 10.69 |

## Galvanized Bin Hardware

*BL1516*   *BL51634F*   *BL516FN*

*BLBC24*

*BLBLS10*   *HRWA0555Z*

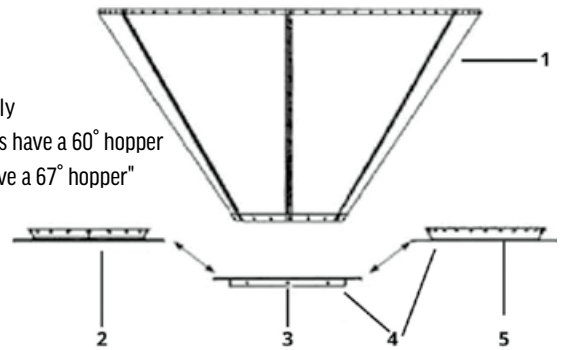| ITEM NO. | DESCRIPTION |
|---|---|
| BL1516 | ⁵⁄₁₆" x 1" Bin Bolt |
| BL51634F | ⁵⁄₁₆" x ¾" Flat Head Bin Bolt |
| BL516FN | ⁵⁄₁₆" Flare Nut |
| BLBC24 | 24' Roll Bin Caulk |
| BLBLS10 | 10GA Bin Leg Shim |
| HRWA0555Z | ½" x 5½" Zinc Wedge Anchor |
| 3/4FW | ¾" Flat Washer – Use with your wedge anchor for added coverage |

## Galvanized Bin Lids

*BLLOHAB*

*BLLOHM*

### Way Back Lid Assembly
- Includes all accessories needed to clamp onto your existing roof collar
- SS pull cable is included

*Bin Lid Opener Kit*

*Cable & Handle Attached*

*Roof Collar*

| ITEM NO. | DESCRIPTION |
|---|---|
| BLBWBLA | Way Back Lid Assembly |
| BLLOHAB | Anchor Bracket for Bin Lid Opener Handle |
| BLLOHM | Metal Handle for Bin Lid Opener |
| BLLOK | Bin Lid Opener Kit |
| BLRC | 6'/9' Roof Collar |
| BLRC7 | 7' Roof Collar |

## Galvanized Hopper Extensions & Bin Boot Collars

- Panels Only
- 6' & 9' bins have a 60° hopper
- 7' bins have a 67° hopper"

| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| BLBHE6030 | 60° 30" Hopper Extension Panels | 1 |
| BLBHE6730 | 67° 30" Hopper Extension Panels | 1 |
| BLBBC60T | 60° Bin Boot Collar – Top Only (1 pc.) | 2 |
| BLBBC67T | 67° Bin Boot Collar – Top Only (1 pc.) | 5 |
| BLBBCB | Bin Boot Collar – Bottom Only (1 pc.) – For 6' & 7' Bins | 3 |
| BLBBCBR | Reinforced Bin Boot Collar – Bottom Only (1 pc.) – For 9' & 12' Bins | 3 |
| BLBBC60 | 60° Boot Collar Kit (2 pc.) | 4 |
| BLBBC67 | 67° Boot Collar Kit (2 pc.) | 4 |

## Galvanized Hopper Repair Kits

Hopper repair kits come with all hopper sheets, hardware, and caulk. It does not include the boot collars.

| ITEM NO. | DESCRIPTION |
|---|---|
| BLBH6 | 6' Hopper Repair Kit |
| BLBH7 | 7' Hopper Repair Kit |
| BLBH9 | 9' Hopper Repair Kit |

## Hopper Valve
- Fill a bucket or wheelbarrow right from the side of your bin
- Install on your existing bin

| ITEM NO. | DESCRIPTION |
|---|---|
| BLBHFV | Feed Valve for Bin Hopper |

### Need emergency service after hours?
Contact our emergency service line at **717-989-4409** to speak to one of our experienced service technicians! **Emergency service is available 24/7.**

## Galvanized Bin Ladders & Windows



BLPW

*Galvanized Bin Ladder*



BLPWS

| ITEM NO. | DESCRIPTION |
|---|---|
| BLLE | 36" Ladder Extension |
| BLLS | Bin Ladder Step |
| BLPW | Peek Thru Window for Bin Hopper |
| BLPWS | Peek Thru Window for Bin Sidewall |

## Pneumatic Fill Kits

Pneumatic fill kits include all the fill and vent components needed to extend over the edge of the roof

- Order #BLFP16 per foot to extend pipe down the side of the bin
- Order #BL6VP per foot to extend pipe down the side of the bin
- Use with 40˚ roof

| ITEM NO. | DESCRIPTION |
|---|---|
| BLPFK6 | 6' Pneumatic Fill Kit |
| BLPFK7 | 7' Pneumatic Fill Kit |
| BLPFK9 | 9' Pneumatic Fill Kit |

## Pneumatic Fill Supplies



BL4TS

BLFP16

BLPFE50      Flat Head Bolt      HRN02K                BLFC                    BL6VE      BL6VP

| ITEM NO. | DESCRIPTION |
|---|---|
| BLPFI | 4" 90° Pneumatic Fill Inlet Elbow |
| BLPFE50 | Fill Elbow f/ 40 Deg. Roof |
| BL4TS | 4" Tube Splice |
| BLFP16 | 4" 16 Gauge Fill Pipe – Sold per foot |
| BLFC | Fill Pipe Collar |

| ITEM NO. | DESCRIPTION |
|---|---|
| 1/4203/4FH | ¼" x ¾" Flat Head Bolt |
| HRN02K | ¼" Kepts Nut |
| BL6VEF | 6" Vent Elbow w/ Flange |
| BL6VE | 6" Vent Elbow |
| BL6VP | 6" Vent Pipe |

## Poly Bins

### Maximize your profitability through proper feed storage

**FEATURES**

- Visible feed level
- Corrosion resistant for long life
- Large poly bins have 60 degree cone & ultra smooth interior
- Finish for easy, even feed flow.
- Large poly bins have 35 degree roof for maximizing fill height
- Easy to assemble
- Strong enough to handle concentrate material
- Heavy-duty steel ring and support stand
- Large 22" fill opening
- Ideal strength and flow characteristics for high moisture feeds, corn, soybean, salt, concentrates (premix), etc.
- Remote lid opener with double spring hold down.
- Poly auger boot for multiple size straight augers 2" - 4".

- Roller slide gate constructed in heavy-gauge steel, auger boots will fit under gate
- Cyclone for proper receiving of pneumatically delivered feed.
- Pneumatic fill pipe to attach to the cyclone and bin stand
- Sturdy steel ladders for all bin sizes

| ITEM NO. | DESCRIPTION |
|---|---|
| BLPPB4-034 | 4' .7-Ton |
| BLPPB5-070 | 5' 1.44-Ton |
| BLPPB5-125 | 5' 2.5-Ton |
| BLPPB7-235 | 7' 4.7-Ton |
| BLPPB7-300 | 7' 6-Ton |
| BLPPB7-420 | 7' 8.25-Ton |



| Bin Diameter | Bin Model | Capacity Cu. Ft. | Bushels | Capacity @ 40lb./Cu. Ft. | | Max Weight Capacity / Cu. Ft. | Height |
|---|---|---|---|---|---|---|---|
| | | | | Tons (2000 lbs.) | Metric Tons (2200 lbs.) | | |
| 4' | PL-34 | 34 | 27 | 0.68 | 0.62 | 85 lb. | 6' 9" |
| | PL-36 | 56 | 45 | 1.12 | 1.02 | 85 lb. | 9' 2" |
| | PL-72 | 72 | 58 | 1,44 | 1.3 | 85 lb. | 10' 7" |
| | PL-80 | 83 | 66 | 1.67 | 1.51 | 85 lb. | 11' |
| 5' | PL-45 | 45 | 36 | 0.9 | 0.82 | 85 lb. | 7' |
| | PL-70 | 72 | 58 | 1.44 | 1.3 | 85 lb. | 9' 1 " |
| | PL-90 | 94 | 75 | 1.88 | 1.7 | 85 lb. | 10' 9" |
| | PL-125 | 126 | 100 | 2.52 | 2.29 | 60 lb. | 12' 8" |
| 7' PL-115 | PL-140 | 140 | 112 | 2.8 | 2.54 | 85 lb. | 9' 6" |
| | PL-235 | 234 | 187 | 4.68 | 4.25 | 85 lb. | 12' 3" |
| | PL-300 | 302 | 241 | 6.04 | 5.48 | 85 lb. | 14' |
| | PL-420 | 418 | 333 | 8.26 | 7.51 | 60 lb. | 17' 6" |
| | PL-480 | 480 | 384 | 9.6 | 8.73 | 55 lb. | 19' 4" |
| 7' PL-340 | PL-365 | 365 | 292 | 7.3 | 6.64 | 75 lb. | 15' 4" |
| | PL-460 | 459 | 367 | 9.18 | 8.35 | 60 lb. | 18' 2" |
| | PL-525 | 527 | 421 | 10.54 | 9.58 | 55 lb. | 19' 10" |
| | PL-645 | 642 | 512 | 12.76 | 11.6 | 45 lb. | 23' 3" |
| | PL-705 | 705 | 563 | 14.1 | 12.82 | 40 lb | 25' 2" |

## Poly Bin Lids

Lid opener kits come with the bin lid and all the necessary mounting hardware.



| ITEM NO. | DESCRIPTION |
|---|---|
| BLPPBLBW | White Lid Opener Kit |
| BLPPBLSC | Blue Lid Opener Kit |

## Weigh Bin Scales

### *The #1 choice in the poultry industry*

#### FEATURES

- Full capacity beam
- Compatible with all feeder/fill systems
- Easy to install
- Designed for 6' bin

*7' bin adapter available*

- Multiple Sizes:
  - 2.3k lb. Bin Scale
  - 5k lb. Bin Scale
  - 2.3k/5k lb. Combo Chart Bin Scale
  - 10k lb. Bin Scale

| ITEM NO. | DESCRIPTION |
| --- | --- |
| BLBS5000 | 5,000 lb. Mechanical Bin Scale |
| BLBS10000 | 10,000 lb. Mechanical Bin Scales |
| SW5000BS | Switch for 5000 lb. Bin Scale |

## BinTrac Bin Scales

### *Accurate and reliable feed bin scale*

#### STORES AND DISPLAYS

- Current inventory by bin
- 24-hour feed use for past 4 days
- Last 4 feed delivery weights for each bin

**BTSDC4**

#### FEATURES

- Easy installation on existing and loaded bins using patented load cell bracket assembly
- One-year warranty covers lightning damage to load cells – extended warranty available
- The bracket does the lifting
- No field calibration required
- Temperature compensated

**BTSLC10000O**

**BTSLC10000**

**BTSPS**    **BTSSB6**

| ITEM NO. | DESCRIPTION |
| --- | --- |
| BTSDC4 | BinTrac Display Console (4 Bin) |
| BTSLC10000 | BinTrac 10,000 lb. Load Cell – One load cell per leg |
| BTSLC10000O | BinTrac 10,000 lb. Load Cell Only |
| BTSPS | BinTrac Power Supply |
| BTSSB6 | BinTrac 6 Cell Summing Box – 1 summing box per 6 load cells. 9' feed bins |
| BTSSB8 | BinTrac 8 Cell Summing Box – 1 summing box per 8 load cells, 12' feed bins |

## Bin Boots

**BLBB0**    **BLBB30**    **BLBBD**

**BLBB0T**    **BLBB30T**

**BLBB0C**    **BLBB30C**

| ITEM NO. | DESCRIPTION |
| --- | --- |
| BLBB0 | Green Straight Out Bin Boot |
| BLBB0T | Translucent Straight Out Bin Boot |
| BLBB0C | Clear Straight Out Bin Boot |
| BLBB30 | Green 30° Bin Boot |
| BLBB30T | Translucent 30° Bin Boot |
| BLBB30C | Clear 30° Bin Boot |
| BLBBD | Green Double Straight Out Bin Boot |

## Bin Wedges

### *Need a different angle for your auger unload? Use a boot wedge to increase or decrease from your 30° boot angle.*

| ITEM NO. | DESCRIPTION |
| --- | --- |
| BLBW3 | 3 Degree Boot Wedge |
| BLBW6 | 6 Degree Boot Wedge |
| BLBW9 | 9 Degree Boot Wedge |
| BLBW12 | 12 Degree Boot Wedge |
| BLBW15 | 15 Degree Boot Wedge |
| BLBW20 | 20 Degree Boot Wedge |

# Augers

## Flex Auger Systems

### 220 Auger System

Used to convey dry ground feed and crumble type mash – maximum moisture content 18%. Maximum particle size ⅛" diameter x ½" long. System is not recommended for large pellets or shelled corn. PVC tubes are 2.25" (55 mm) outside diameter; flexible auger is 1.52" outside diameter. Approximate feed delivery rate is 15 lbs. per minute or 900 lbs. per hour based on 40 lbs. per cubic foot feed density and 358 RPM drive unit.
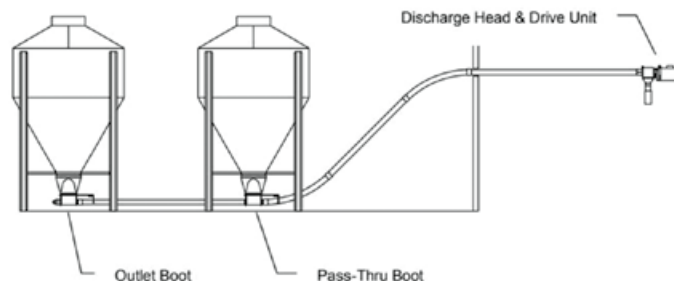
### 300 Auger System

Used to convey dry ground feed and crumble type mash – maximum moisture content 18%. Maximum particle size ⅛" diameter x ½" long. System is recommended for pellets or shelled corn. PVC tubes are 3" (75 mm) outside diameter; flexible auger is 2.25" outside diameter. Approximate feed delivery rate is 35 lbs. per minute or 2100 lbs. per hour based on 40 lbs. per cubic foot feed density and 358 RPM drive unit.

### 350 Auger System

Used to convey dry ground feed and crumble type mash – maximum moisture content 18%. Maximum particle size 3/16" diameter x ½" long. System is not recommended for large pellets or shelled corn. PVC tubes are 3½" (90 mm) outside diameter; flexible auger is 2.71" outside diameter. Approximate feed delivery rate is 100 lbs. per minute or 6000 lbs. per hour based on 40 lbs. per cubic foot feed density and 358 RPM drive unit.

### 420 Auger System

Used to convey dry ground feed and crumble type mash. Maximum particle size 3/16" diameter x ½" long. Steel tubes are 4.25" (108 mm) outside diameter; flexible auger is 3.55" outside diameter. Approximate feed delivery rate is 220 lbs. per minute or 13,200 lbs. per hour based on 40 lbs./cubic foot feed density and 359 RPM drive unit.

#### SYSTEM NOTES

- Size your system to make the maximum operating time four hours per day. Some applications may require two flexible auger fill systems or even a 4" or 6" rigid auger system to meet the desired feed delivery rate.
- A time clock or other control is recommended with all systems to prevent excess empty auger operation and other malfunctions.
- Multiple bin pass-thru options or tandem systems are recommended when extra feed storage or dual rations are required.

## Auger Flighting

All auger flighting is sold by the foot.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLAF2 | 220 Flex Auger Flighting |
| BLAF30 | 300 Flex Auger Flighting |
| BLAF35 | 350 Flex Auger Flighting |
| BLAF42 | 420 Flex Auger Flighting |

## Auger Tube

Tube is sold per 10' section.

**Steel**

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLAT30S | 300 |
| BLAT35S | 350 |
| BLAT42S | 420 – Does not have a belled end |

**PVC**

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLAT2 | 220 |
| BLAT30 | 300 |
| BLAT35 | 350 |
| BLAT42 | 420 |

## Auger Elbows



*PVC Elbow*

*Steel Elbow*

### Steel

| ITEM NO. | DESCRIPTION |
|---|---|
| BLAL30S | 300 45° Elbow |
| BLAL35S | 350 45° Elbow |
| BLAL42S | 420 45° Elbow |

### PVC

| ITEM NO. | DESCRIPTION |
|---|---|
| BLAL2 | 220 45° Elbow |
| BLAL30 | 300 45° Elbow |
| BLAL35 | 350 45° Elbow |
| BLAL42 | 420 45° Elbow |

## Auger Tube Couplers



*Steel Coupler*    *BLATC42S*    *PVC Coupler*

### Steel

| ITEM NO. | DESCRIPTION |
|---|---|
| BLATC30S | 300 Coupler w/ Clamps |
| BLATC35S | 350 Coupler w/ Clamps |
| BLATC42S | 420 Coupler w/ Hardware |

### PVC

| ITEM NO. | DESCRIPTION |
|---|---|
| BLATC2 | 220 Coupler |
| BLATC30 | 300 Coupler |
| BLATC35 | 350 Coupler |
| BLATC42 | 420 Coupler |

## Tube Clamps



| ITEM NO. | DESCRIPTION |
|---|---|
| BLATCP30 | 300 Tube Clamp |
| BLATCL35 | 350 Tube Clamp |
| BLATCL42 | 420 Tube Clamp |

## Auger Drive Units



| ITEM NO. | DESCRIPTION |
|---|---|
| BLADD12 | ½ HP Auger Direct Drive Unit (358 RPM) |
| BLADD34 | ¾ HP Auger Direct Drive Unit (358 RPM) |
| BLADD34441 | ¾ HP Auger Direct Drive Unit (441 RPM) |
| BLADD1 | 1 HP Auger Direct Drive Unit (358 RPM) |
| BLADD10441 | 1 HP Auger Direct Drive Unit (441 RPM) |
| BLADD15 | 1½ HP Auger Direct Drive Unit (358 RPM) |
| BLADD15441 | 1½ HP Auger Direct Drive Unit (441 RPM) |

## Auger Gearboxes



*Auger Gearbox*    *GRBOQ*    *GRBPFVP*

*OSPADOP*    *OSPADIP*

## Twin Loop Chain



| ITEM NO. | DESCRIPTION |
|---|---|
| HRCHTL20 | 2/0 Twin Loop Chain – Zinc Plated |

### *PVC Glue*

| ITEM NO. | DESCRIPTION |
|---|---|
| PPG08 | 8 oz. PVC Glue |
| PPG16 | 16 oz. PVC Glue |



## Auger Motors



| ITEM NO. | DESCRIPTION |
|---|---|
| MTLA050 | ½ HP Leeson Auger Motor |
| MTLA075 | ¾ HP Leeson Auger Motor |
| MTLA100 | 1 HP Leeson Auger Motor |
| MTLA150 | 1½ HP Leeson Auger Motor |

| ITEM NO. | DESCRIPTION |
|---|---|
| GRBPFAD266 | 266 RPM Auger Gearbox |
| GRBPFAD358 | 358 RPM Auger Gearbox |
| GRBPFAD441 | 441 RPM Auger Gearbox |
| GRBPFVP | Vent Plug f/ Auger Gearbox |
| OSPADOP | Output Oil Seal for Auger Gearbox |
| OSPADIP | Input Oil Seal for Auger Gearbox |
| GRBOQ | Gear Oil – 32 oz. |

## Gearbox Pinions



**GRPG12358**

**Chore-Time**

| ITEM NO. | DESCRIPTION |
|---|---|
| GRPG12358 | ½" Bore Pinion Gear |
| GRPG58358 | ⅝" Bore Pinion Gear |
| CT5046 | Chore-Time ½" Bore Pinion Gear |
| CT3249 | Chore-Time Ultra Flo ½" Bore Pinion Gear |
| CT6104 | Chore-Time ⅝" Bore Pinion Gear |

## Gearbox Adaptors

*Make use of that old motor and adapt your 56 C Face motor to our auger gearbox!*

*Extended pinion to be used with the 56 C adaptor*

| ITEM NO. | DESCRIPTION |
|---|---|
| GRBPFADAHD | 56 C to Auger Drive Adaptor |
| GRPGHD58 | ⅝" Bore Pinion Gear |

## Discharge Head



**SWPPHSSN**

**BLADHB**    **BLADHCB**    **SWPPHSS**    **SWDPSTTPPH**

**BLADHDR**    **SWDPPH**    **BLADHBMP**    **BLADHMS**

| ITEM NO. | DESCRIPTION |
|---|---|
| BLADH | Discharge Head w/ Control Box |
| BLADH42 | 420 Discharge Head w/ Control Box |
| BLADHB | Discharge Head w/o Control Box |
| BLADHB42 | 420 Discharge Head w/o Control Box |
| BLADHCB | Control Box |
| BLADHDR | Diaphragm Retainer for Discharge Head |
| SWDPPH | Switch Diaphragm for Discharge Head |
| BLADHBMP | Box Mounting Plate for Discharge Head |
| BLADHMS | Moisture Seal for Discharge Control Box |
| SWPPHSSN | Safety Switch for Discharge Head – New Style |
| SWPPHSS | Safety Switch for Discharge Head – Old Style |
| SWDPSTTPPH | Toggle Switch for Discharge Head (DPST) |
| BLADHAD | Discharge Head Access Door |

## Complete Bin Unload Kits



**Double Unload**

**Single Unload**

### 220 Unloads

| ITEM NO. | DESCRIPTION |
|---|---|
| BLAU20C | 220 Single Unload w/ Tail Shaft & Slide |
| BLAU2TC | 220 Twin Unload w/ Tail Shafts & Slide |

### 300 Unloads

| ITEM NO. | DESCRIPTION |
|---|---|
| BLAU30 | 300 Single Thru Unload w/ Slide & Restrictor |
| BLAU30C | 300 Single Unload w/ Tail Shaft & Slide |
| BLAU30T | 300 Twin Thru Unload w/ Slide & Restrictor |
| BLAU30TC | 300 Twin Unload w/ Tail Shafts & Slide |

### 350 Unloads

| ITEM NO. | DESCRIPTION |
|---|---|
| BLAU35 | 350 Single Thru Unload w/ Slide & Restrictor |
| BLAU3TC | 350 Single Unload w/ Tail Shaft & Slide |
| BLAU35T | 350 Twin Thru Unload w/ Slide & Restrictor |
| BLAU35TC | 350 Twin Unload w/ Tail Shafts & Slide |

### 420 Unloads

| ITEM NO. | DESCRIPTION |
|---|---|
| BLAU42 | 420 Single Thru Unload w/ Slide & Restrictor |
| BLAU42C | 420 Single Unload w/ Tail Shaft & Slide |
| BLAU42T | 420 Twin Thru Unload w/ Slide & Restrictor |
| BLAU42TC | 420 Twin Unload w/ Tail Shafts & Slide |

## Port Kits



*Comes with tube clamp.*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLAPK278 | 220 Port Kit w/ ⅞" Shaft |
| BLAPK358 | 300 Port Kit w/ ⅝" Shaft |
| BLAPK378 | 300 Port Kit w/ ⅞" Shaft |
| BLAPK3558 | 350 Port Kit w/ ⅝" Shaft |
| BLAPK3578 | 350 Port Kit w/ ⅞" Shaft |
| BLAPK4278 | 420 Port Kit w/ ⅞" Shaft |

## Port Tube & Plate

Adapts auger tube to the drive head of auger. Interchanges among most major brands of augers.



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLAPT2 | 220 Port Tube & Plate |
| BLAPT3 | 300 Port Tube & Plate |
| BLAPT35 | 350 Port Tube & Plate |
| BLAPT42 | 420 Port Tube & Plate |

## Drive Slugs

Replacement auger drive anchors



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLADS358 | 300 Drive Slug – ⅝" |
| BLADS378 | 300 Drive Slug – ⅞" |
| BLADS3558 | 350 Drive Slug – ⅝" |
| BLADS3578 | 350 Drive Slug – ⅞" |
| BLADS4278 | 420 Drive Slug – ⅞" |

## Power Head Flighting Anchors & Bolts



*Power Head Flighting Anchors*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLAPHFA2 | 220 Power Head Flighting Anchor |
| BLAPHFA | 300 & 350 Power Head Flighting Anchor |
| BLAPHFA42 | 420 Power Head Flighting Anchor – Also used for 420 tail shaft |
| 5/16X3/8SHB | ⁵⁄₁₆" x ⅜" Socket Head Bolt – Used on 220, 300, 350 port kits |



*Socket Head Bolt*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| 5/16X7/8SHB | ⁵⁄₁₆ x ⅞" Socket Head Bolt – Used on 420 port kits and tail shafts |
| 5/16X11/2SHB | ⁵⁄₁₆" x 1½" Socket Head Bolt – Used on 220, 300 port kits |
| 5/16X13/4SHB | ⁵⁄₁₆" x 1¾" Socket Head Bolt – Used on 350 port kits |
| 5/16X21/2SHB | ⁵⁄₁₆" x 2½" Socket Head Bolt – Used on 420 port kits |

## Feed Drops



*Total Drop*

*Short Drop*



*HRSLP5164*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLAD2 | 220 Feed Total Drop |
| BLAD30 | 300 Feed Total Drop |
| BLAD30S | 300 Short Red Feed Drop |
| BLAD35 | 350 Feed Total Drop |
| BLAD35S | 350 Short Red Feed Drop |
| BLAD42S | 420 Short Red Feed Drop |
| HRSLP5164 | ⁵⁄₁₆" x 4" Snap Lock Pin |

## Drop Tubes



### Metal Flex Tube

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLFP30 | 3" Metal Flex Tube |
| BLFP312 | 3½" Metal Flex Tube |



### Vinyl Flex Tube

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLFVDT300 | 3" Vinyl Flex Tube |
| BLFVDT312 | 3½" Vinyl Flex Tube |
| BLFVDT400 | 4" Vinyl Flex Tube |



### Rubber Flex Tube

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLFRDT4 | 4" Rubber Flex Tube |
| BLFRDT6 | 6" Rubber Flex Tube |

## Bin Unload Parts Breakdown

| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|---|---|---|
| **Slides** | | |
| BLAUSP | Unload Slide Plate – Metal | 9 |
| BLAUPP | Unload Slide Plate – Plastic | |
| BLAUSPS | Slide Plate Only | |
| BLAUDSP | Split Slide for Double Unload | 3 |
| BLSVHP | Slide Plate Hardware Pack – comes with (18) ⁵⁄₁₆" Flat Head Bolts, (18) ⁵⁄₁₆" Nylon Washers, (18) Nylon Hex Nuts, (6) Zinc Hex Bolts, & (6) Zinc Hex Nuts. | |
| **Unload Bodies** – Unload bodies include weldment, access door(s), and agitator ball(s). | | |
| BLAUB20 | 220 Single Unload Body | 11 |
| BLAUB20T | 220 Twin Unload Body | 1 |
| BLAUB30 | 300 Single Unload Body | 11 |
| BLAUB30T | 300 Twin Unload Body | 1 |
| BLAUB35 | 350 Single Unload Body | 11 |
| BLAU35TB | 350 Twin Unload Body | 1 |
| BLAUB42 | 420 Single Unload Body | |
| BLAUB42T | 420 Twin Unload Body | |
| BLAUAD | Unload Access Door | 2 |
| **Restrictors** | | |
| BLAUBSS | 300 Single Baffle Restrictor | |
| BLAUBD | 300 Double Baffle Restrictor | |
| BLAUBD35 | 350 Double Baffle Restrictor | |
| BLARS42 | 420 Feed Restrictor Shaft | |
| **Tail Shaft Assemblies –** Tail shaft assemblies include two tube clamps and a rubber bearing cap. | | |
| BLATS2 | 220 Tail Shaft Assembly | 5 |
| BLATS30 | 300 Tail Shaft Assembly | 5 |
| BLATS35 | 350 Tail Shaft Assembly | 5 |
| BLATS42 | 420 Tail Shaft Assembly | |
| BLAPHFA2 | 220 Tail Shaft Flighting Anchor | 6 |
| 5/16X3/8SHB | ⁵⁄₁₆" X ³⁄₈" Socket Head Bolt – Used with #BLAPHFA2 | 7 |
| BLATSFA | 300 & 350 Tail Shaft Flighting Anchor | 6 |
| BLATSFAB | Square Head Bolt f/ Tail Shaft Flighting – Used with #BLATSFA | |
| BLAPHFA42 | 420 Tail Shaft Flighting Anchor – Also used for 420 Power Head | 6 |
| 5/16X7/8SHB | ⁵⁄₁₆ X ⁷⁄₈" Socket Head Bolt – Used on 420 port kits and tail shafts | 7 |
| BLATCP30 | 300 Tube Clamp | 8 |
| BLATCL35 | 350 Tube Clamp | 8 |
| BLATCL42 | 420 Tube Clamp | 8 |
| BLBCR220 | 220 Rubber Bearing Cap | 4 |
| BLBCR300 | 300 Rubber Bearing Cap | 4 |
| BLBCR350 | 350 & 420 Rubber Bearing Cap | 4 |
| BRPTS3 | 300 Tail Shaft Bearing Assembly | 12 |



Single Boot

Double Boot
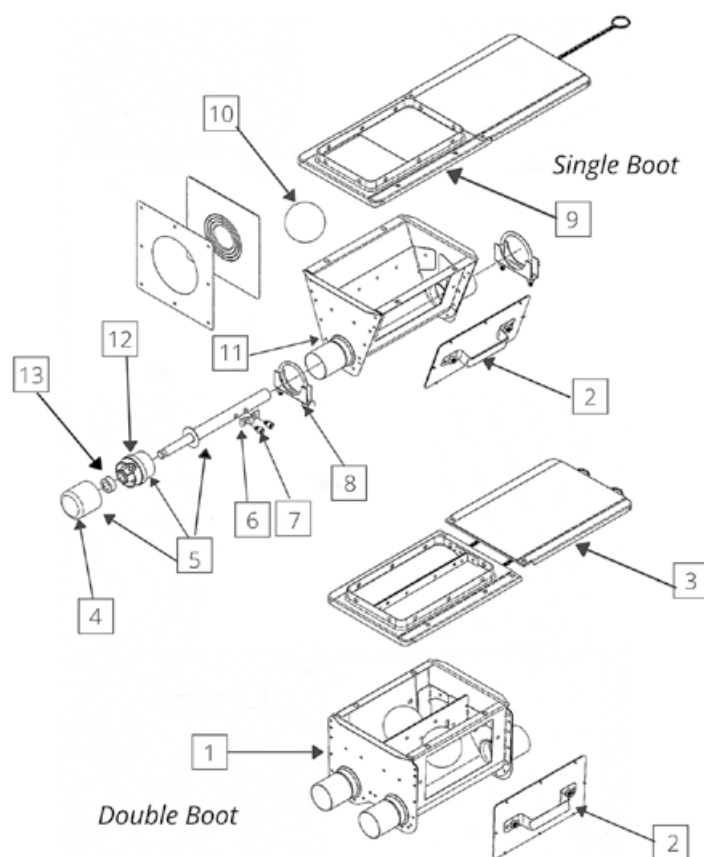
| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|---|---|---|
| **Tail Shaft Assemblies –** Continued | | |
| BRPTS35 | 350 Tail Shaft Bearing Assembly | 12 |
| BRPTS42 | 420 Tail Shaft Bearing Assembly | 12 |
| SHC10 | ⁵⁄₈" Shaft Collar | 13 |
| BLBC3 | 300 Boot Bearing Cap (Metal) – Old Style | |
| BLBC35 | 350 Boot Bearing Cap (Metal) – Old Style | |
| BRGSIB | Tail Shaft Boot Bearing – Old Style. Used on 300 & 350 | |
| **Agitator Ball** | | |
| BLAKB | Steel Agitator Ball | 10 |
| **Transfer Plate** | | |
| BLATP | Transfer Plate | |

## Bin Unload Parts

**1**

*Twin Unload Body*

**2**

*Unload Access Door*

**4**

*Rubber Bearing Cap*

**5**

*Tail Shafts*

**6**

*Tail Shaft Flighting Anchor*

**8**

Tube Clamps

**9**
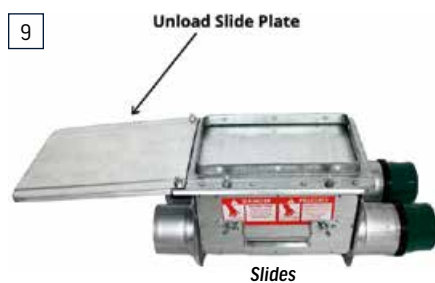
Unload Slide Plate

*Slides*

**10**

*Steel Agitator Ball*

**11**

*Single Unload Body*

**12**

*Tail Shaft Bearing Assembly*

*BLBC3, BLBC35*
*300 Boot Bearing Cap (Metal)*

*BRGSIB – Tail Shaft Boot Bearing Old Style. Used on 300 & 350*

*Restrictors*

*Transfer Plate*

## Auger Belt Drive Kit

Also comes with cast pulley & belt.

*Auger Belt Drive Kit*

*Feed drop not included. Added for detail.*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLABDK | Auger Belt Drive Kit |

## Shaft & Bearing Assembly

*BRI10F*

*BLABDSBAP*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLABDSBAP | Shaft & Bearing Assembly |
| SHPBDPH | Shaft f/ Belt Drive Power Head |
| BRI10F | ⅝" Insert Bearing Flat OD |

## Discharge Boots

*BLAPHDBP*     *BLAPHDBPS*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLAPHDBP | White Discharge Boot |
| BLAPHDBPS | Short Discharge Boot |

## Rigid Auger Systems

### Custom rigid augers – call to order

The rigid auger assembly includes a drive kit, motor, unload boot, tube splice, slide, and a 90° outlet chute. You may need a plastic bin boot or flexible drop tube. These are not included in the assembly.

## Auger Outlet Chutes

| ITEM NO. | DESCRIPTION |
|---|---|
| BLA0445 | 4" 45° Outlet Chute |
| BLA0490 | 4" 90° Outlet Chute |
| BLA0645 | 6" 45° Outlet Chute |
| BLA0690 | 6" 90° Outlet Chute |

## Rigid Auger Assemblies

## Rigid Unloads

| ITEM NO. | DESCRIPTION |
|---|---|
| BLAU4 | 4" Rigid Unload – Includes plastic slide plate |
| BLAU6 | 6" Rigid Unload – Includes plastic slide plate |
| BLAUPP | Unload Slide Plate (Plastic) |
| BLSVHP | Slide Plate Hardware Pack |

## Tube Splices

| ITEM NO. | DESCRIPTION |
|---|---|
| BL4TS | 4" Tube Splice |
| BL6TS | 6" Tube Splice |

### 4" Augers
- 4" augers come with 16 gauge galvanized tube and ³⁄₁₆" heavy-duty flight mounted on ¾" schedule 40 pipe.
- Call for pricing on longer augers

| ITEM NO. | DESCRIPTION |
|---|---|
| BLA406A | 4" x 6' |
| BLA408A | 4" x 8' |
| BLA410A | 4" x 10' |
| BLA412A | 4" x 12' |
| BLA414A | 4" x 14' |
| BLA416A | 4" x 16' |
| BLA418A | 4" x 18' |
| BLA420A | 4" x 20' |

### 6" Augers
- 6" augers come with 14 gauge galvanized tube and ³⁄₁₆" heavy-duty flight mounted on 1" schedule 40 pipe.
- Call for pricing on longer augers

| ITEM NO. | DESCRIPTION |
|---|---|
| BLA606A | 6" x 6' |
| BLA608A | 6" x 8' |
| BLA610A | 6" x 10' |
| BLA612A | 6" x 12' |
| BLA614A | 6" x 14' |
| BLA616A | 6" x 16' |
| BLA618A | 6" x 18' |
| BLA620A | 6" x 20' |

Great people! Good service!
They did a good job on my chicken barns!

~Google Review~

# Pan Feeding

## Big Dutchman Broiler Pan Feed System

**Big Dutchman**

### FLUXX Feed Pan

## The broiler pan that set the standards for increased feeding space

The patent pending FLUXX broiler pan feeding system continues to set the standard in broiler feeding technology. The FLUXX system has been farm tested around the world, showing it to be the best at faster starts and bigger birds. Now with new features and better performance, Big Dutchman continues to deliver the innovation you need to keep your broiler operation on top!

### IMPORTANT ADVANTAGES

- Available in standard or deep dish design
- Pan spins 360 degrees providing even feed distribution
- Up to 16 feed stations encourages birds to eat straight into the pan
- Internal lip is designed for easy feed access, less waste and injury
- Feed levels are easily set with 'Spin n' Lock' adjustment
- Swinging pan design for easy cleaning and less injury
- Snap on top cap for easy installation and service
- Additional dish latch to ensure dish stays secured
- Will last for years with heavy-duty plastic construction

*Quantity Discounts Available*

| ITEM NO. | DESCRIPTION |
|---|---|
| FDDF5P1416 | 14" 16-Spoke FLUXX Pan Assembly |

### FLUXX Feed Pan Parts

FDDFRC

FDDFOC14

FDDFIC14     FDDFASLP   FDDFASLS
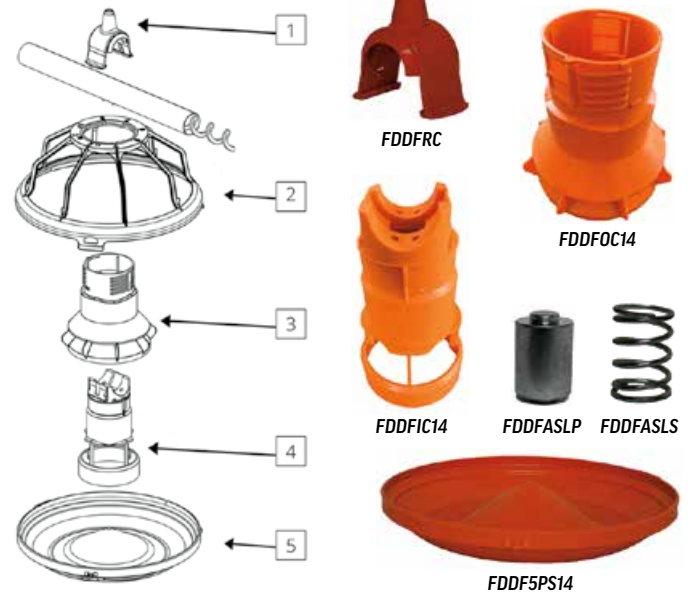
FDDF5PS14

| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| FDDFRC | Retainer Cap | 1 |
| FDDFOC14 | Outer Cylinder | 3 |
| FDDFIC14 | Inner Cylinder | 4 |
| FDDF5G16 | 14" 16 Spoke Grill | 2 |
| FDDF5PS14 | 14" Smooth Pan | 5 |
| FDDFASLP | Anti-swing Lock Pin | |
| FDDFASLS | Anti-swing Lock Spring | |

### FLUXX Control Pans

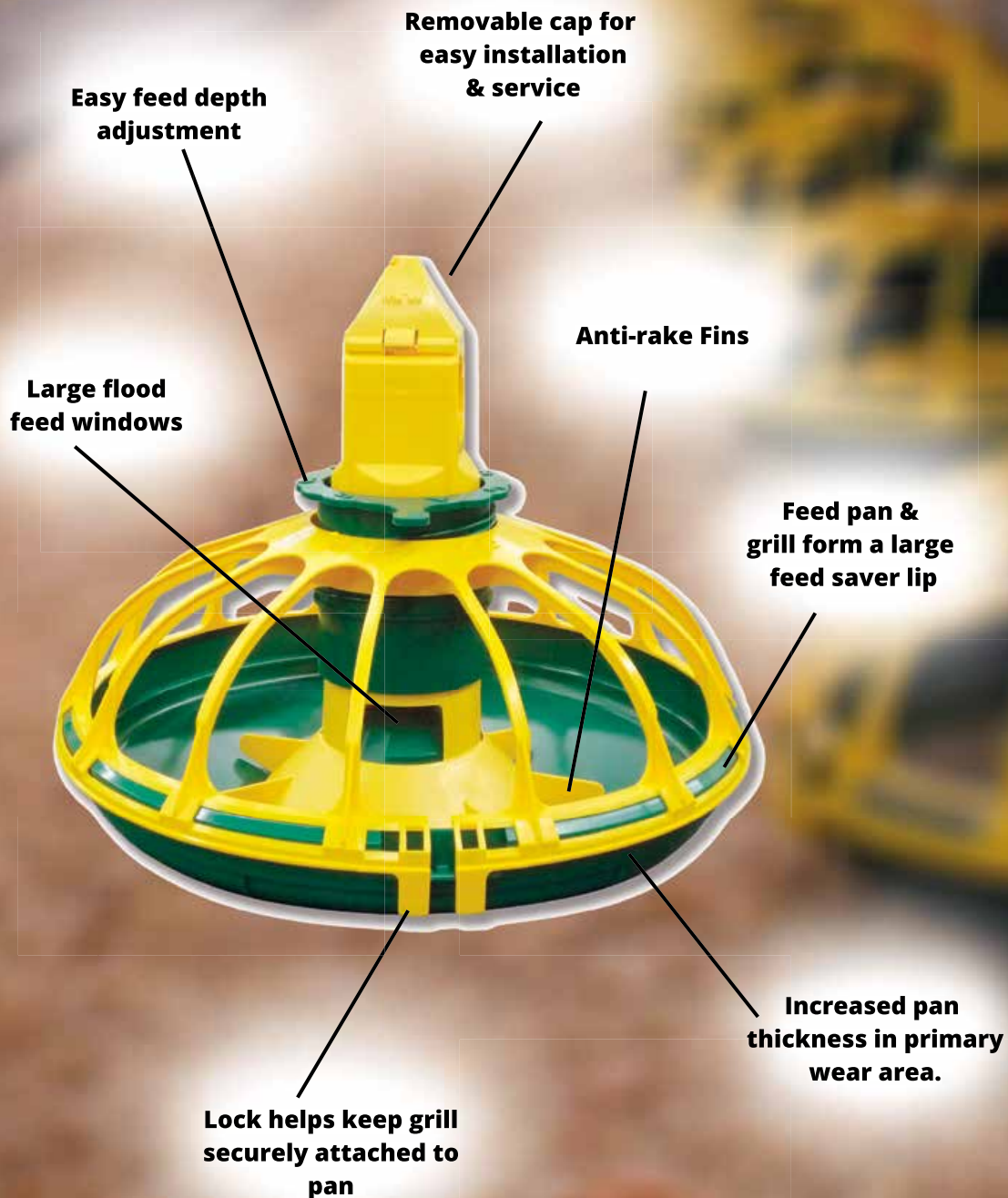| ITEM NO. | DESCRIPTION |
|---|---|
| FDDCPM145M | 14" 5 Spoke Mid-Line Control Pan |
| FDDCPM1416M | 14" 16 Spoke Mid-Line Control Pan |
| FDDCPF1416 | 14" 16 Spoke End Control Pan |

*Motor not included.*

### FLUXX Control Pan Parts

FDDCPFICAL

FDDCPFDBS     FDDCPFIC     FDCPLL

| ITEM NO. | DESCRIPTION |
|---|---|
| FDDCPFDBS | Switch Diaphragm/Baffle |
| FDCPDBD | Switch Diaphragm |
| FDDCPFIC | Trimmed Inner Cylinder |
| FDDCPFICAL | Adapter Liner for Trimmed Inner Cylinder |
| FDCPLL | LED Control Pan Light |

# FUZE® Feeders from VAL-CO®

## *Performance You Can Count On*

Removable cap for easy installation & service

Easy feed depth adjustment

Anti-rake Fins

Large flood feed windows

Feed pan & grill form a large feed saver lip

Increased pan thickness in primary wear area.

Lock helps keep grill securely attached to pan

VALCO

## Val-Co Broiler Pan Feed System



The FUZE ProLine pan feeding system regularly outperforms other poultry feeders in feed trials. Its 6 pan/grill combinations let you choose the one that is best suited for your application. The FUZE floods evenly for easy bird access to feed, swings open for quick cleaning, and is made of a stronger, lighter plastic to make poultry feeding a snap.

### FUZE PROLINE FEEDING SYSTEMS FEATURES

- Three large feed windows for automatic and even pan flooding with feed
- Grill and pan form a large feed saving lip to minimize feed spillage and waste
- Accurate feed level adjustments are quickly made from outside the pan
- Deep center feeding "V" bottom nestles down into the litter to promote easier chick access when brooding and overall feed savings
- Increased material thickness added to the pans in the "scratch" areas to improve pan life

- Anti-rake fins reduce billing and feed wastage
- Constructed with engineered polymer resins to resist wear and reduce the harboring of bacteria
- Two-piece top for ease of installation/replacement or one-piece tower for additional rigidity and strength
- A pan/grill hinge and lock that securely locks pan to grill and provides for easy cleaning between flocks
- A mechanical switch control pan which provides high reliability and ease of maintenance

### FUZE Feed Pan

#### FEATURES & BENEFITS

- 6 pan/grill combinations to find the perfect fit for your flock
- 3 large feed windows evenly flood the pan to give birds equal access to feed from all sides
- Increased material thickness prevents cracking
- Polymer resin material is a dream to clean – just snap the pan open and hose it off!

*Quantity Discounts Available*


FUZE Feed Pan


FDPPXHTC

| ITEM NO. | DESCRIPTION |
|---|---|
| FDFP1413 | 13" 14-Spoke FUZE Pan |
| FDFP514 | 14" 5-Spoke FUZE Pan |
| FDFP1414 | 14" 14-Spoke FUZE Pan |
| FDPPXHTC | Pan Feeder for Under Hen Trough |

### FUZE Feed Pan Parts



FDFPC    FDFPRC

FDFPG14

FDFPT        FDFPP14        FDFPASB
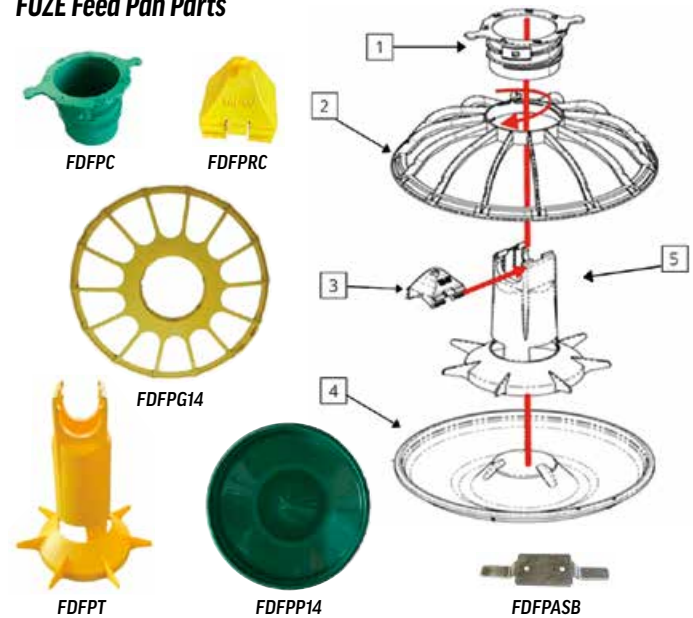
| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| FDFPRC | Retainer Cap | 3 |
| FDFPC | Adjustment Collar | 1 |
| FDFPG5S | 5 Spoke Grill | 2 |
| FDFPG14 | 14 Spoke Grill | 2 |
| FDFPT | Feeder Tower | 5 |
| FDFPP14 | 14" Feed Pan | 4 |
| FDFPASB | Anti-Swing Bracket | |
| FDFPASK | Anti-Swing Kit – Kit comes with anti-swing bracket and (2) 2" hose clamps. | |

### FUZE Control Pans



| ITEM NO. | DESCRIPTION |
|---|---|
| FDFMCP1414 | 14" 14-Spoke FUZE Control Pan |

### FUZE Control Pan Parts

FDFCPPSB    FDFCPSBM

FDCPLL        FDFMCPT    FDFMCPPA

| ITEM NO. | DESCRIPTION |
|---|---|
| FDFMCPT | Control Pan Tower |
| FDFMCPPA | Paddle Assembly |
| FDFMCPWSB | Wiring Assembly |
| FDFCPPSB | Mounting Plate for Switch Box |
| FDFCPSBM | Switch Mounting Bracket |
| FDCPLL | LED Control Pan Light |

## FUZE Motor Mounts & Parts

FDFMM

Socket Head Bolt

FDFMMTC

Auger Drive Block

Auger Shim

FDSWI

| ITEM NO. | DESCRIPTION |
|---|---|
| FDFMM | Motor Mount for Val-Co Feeder Drive |
| FDFMMTC | Tube Connector Clamp (Half) |
| FDPPFDB | Auger Drive Block |
| 1/4X11/2SHB | ¼" x 1½" Socket Head Bolt |
| FDPPAS | Auger Shim for Gearbox |
| FDCPS36 | 36" Cord Protector Spring Style |
| FDSWI | Shocker Wire Insulator & Clamp |

## Val-Co Pullet Pan Feed System

| ITEM NO. | DESCRIPTION |
|---|---|
| FDFP1414PA | 14" 14-Spoke Fuze Pullet Pan |
| FDRPFR | Feed Restrictor |
| FDFPASB | Anti-Swing Bracket |
| FDFPASK | Anti-Swing Kit – comes with anti-swing bracket and (2) 2" hose clamps. |

## Val-Co Rooster Pan Feed System

The PXR Rooster Pan Feeder is designed for rigid mounting to the feed line. Suspension hangers are available in rigid scissor or free-hanging styles. Choose between plastic or steel grill.

| ITEM NO. | DESCRIPTION |
|---|---|
| FDPR | PXR Rooster Pan |

## Metal Control Pans & Parts

FDPCPSB

FDPCPSS

FDPECP

FDPECPTP

FDPCPWGC

FDPECPDA

| ITEM NO. | DESCRIPTION |
|---|---|
| FDPECP | Metal End Control Pan |
| FDFCPMP | Metal Mid-Line Control Pan |
| FDPECPP | Pan for Metal Control Pan – For End & Mid-Line |
| FDPECPTP | Tube Port for Metal End Control Pan |
| FDPECPGR | Grill for Metal End Control Pan |
| FDPCPWGC | Wire Grill Clip for Metal Control Pan – For End & Mid-Line |
| FDPCPSB | Switch Bracket for Metal End Control Pan |
| FDPCPSS | Switch Plate Spring for Metal End Control Pan |
| FDPECPDA | Diaphragm Assembly for Metal End Control Pan |

## PXR Feed Pan Parts Breakdown
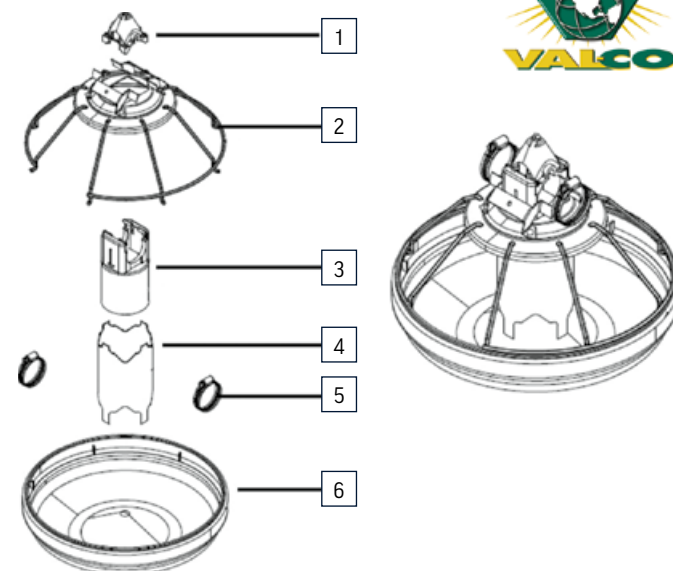
| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| FDPTRC | Tube Retainer Cap | 1 |
| FDPRPG8 | 8 Spoke Grill with Anti-Swing Brackets | 2 |
| FDPRDT | Drop Tube | 3 |
| FDPRFLT | Feed Level Tube | 4 |
| WTHC2S | 2" SS Hose Clamp | 5 |
| FDPFP | Pan Only | 6 |

## Big Dutchman Rooster Pan Feed System

**Big Dutchman.**

| ITEM NO. | DESCRIPTION |
|---|---|
| FDBDCRP | Cyclone Rooster Feed Pan |

### Cyclone Feed Pan Parts
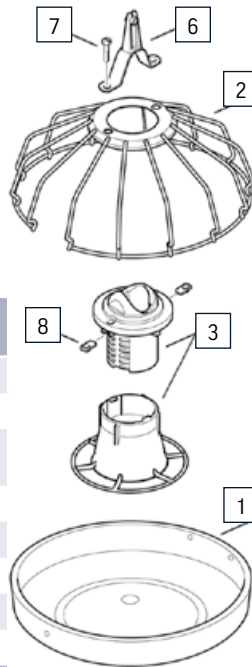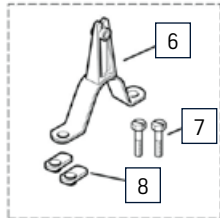


| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| FDBDCRPP | Pan | 1 |
| FDBDCRPG | Grill | 2 |
| FDBDCRPCD | Cone & Drop Assembly | 3 |
| FDBDCRPH | Hardware Bag | 5 |
| FDBDCPRC | Retainer Cap | 6 |
| FDBDCPB | ¼" x 1¼" Bolt | 7 |
| FDBDCPWN | Weld Nut | 8 |
| FDBDCRPSSO | Shut Off Slide | |

### Cyclone Control Pan

| ITEM NO. | DESCRIPTION |
|---|---|
| FDDRFCP | Cyclone Rooster Control Pan |

### Cyclone Motor Mount & Parts



*Motor Mount*

*FDDPFADSCA*     *Tube Connector*     *FDDCMM*

| ITEM NO. | DESCRIPTION |
|---|---|
| FDDCMM | Motor Mount Connector & Wiring Kit |
| FDDPFTCMCP | Tube Connector w/ Mesh |
| FDDPFMMB | Blue Motor Mount |
| FDDPFMMBG | Grill for Blue Motor Mount Box |
| FDDPFADSCA | Auger Drive Shaft Connector  Assembly |

## Val-Co Turkey Pan Feed System

**VALCO**

The PTF Turkey Pan Feeder is a multi-adjustable feeder that is easy to handle and gives excellent results. The ample and deep poly pan offers sufficient space for the growing turkeys, avoids feed waste and can easily be removed, exchanged or cleaned.
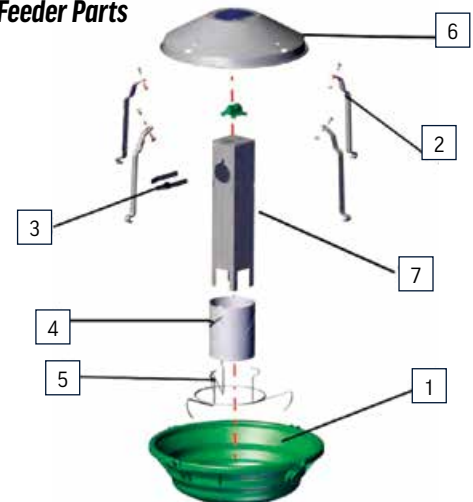
### FEATURES

- Self-leveling which allows feeder to swing, therefore reducing bruising
- Steel feed level tube can be adjusted in seconds
- Even feed distribution
- Extra strength construction designed to withstand the movements of full-grown turkeys

| ITEM NO. | DESCRIPTION |
|---|---|
| FDPTFPA | Val-Co Turkey Feed Pan Assembly |

### Turkey Pan Feeder Parts



| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| FDPATP | Feed Pan Only | 1 |
| FDTPSSD | Swing Down Strut | 2 |
| FDPTLS | Lid Supports | 3 |
| FDPTFLT | Feed Level Tube | 4 |
| FDPTFLAR | Feed Level Adjustment Ring | 5 |
| FDPTFL | Lid | 6 |
| FDPTFDT | Drop Tube Assembly | 7 |

### Turkey Control Pan

| ITEM NO. | DESCRIPTION |
|---|---|
| FDPTCP | Turkey End Control Pan |

## Big Dutchman Turkey Pan Feed System

*Big Dutchman*

### UniGROW360 Turkey Starter Feed Pan
### *Start poults quickly and move them out sooner!*

The innovative, patented Big Dutchman UniGROW 360 starter feed pan for turkeys provides quick starts, the ability to move birds out at an earlier age, more feed in the pan without waste, and easy access to feed. UniGROW 360 pans flood in a full 360° circumference, and feed flows easily without bridging, so all birds can easily access feed.

#### IMPORTANT ADVANTAGES

- The durable top cap snaps onto the pan assembly for easy installation and maintenance
- Unique three-strut grill makes it easier for small birds to get to the feed without being trapped
- Feed collar is raised or lowered with the winch system and keeps birds from slinging feed
- Integral anti-scratch ring prevents feed from being scratched from the pan
- Multiple minimum feed level settings allow you to custom-set pans
- Unique shut-off feature allows you to shut off feed flow to individual pans
- Pan disperses feed in a 360° circumference, preventing staleness and waste of feed
- Easy to thoroughly wash down

| ITEM NO. | DESCRIPTION |
|---|---|
| FDDTUGSPA | Turkey Starter Feed Pan |

### *UniGROW360 Pan Parts*

| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| FDDUGC | Retainer Cap | 1 |
| FDDUGG | Grill | 2 |
| FDDUGP | Pan Only | 3 |



*86-00-2648
*86-00-2651
*86-00-2649

"*" Indicates manufacturer part number

## Gladiator Turkey Feed Pan

*Big Dutchman*

### *The 'tough as nails' adult turkey feeding pan*

The Gladiator adult turkey feeding pan is engineered to stand up against the daily rigors of feeding the most aggressive and heavy turkeys. From flock to flock, the Gladiator pan is made to take a beating, and designed for ease of maintenance and adaptability.

#### IMPORTANT ADVANTAGES

- Snap on cap provides easy assembly and maintenance
- Pans can be quickly removed individually for maintenance
- Swinging pan design minimizes bruising while maximizing meat quality
- Snap'n lock mechanism locks the dish securely to the grill to eliminate dish drop
- Dish unlocks and is removed for easy and thorough cleaning between flocks
- Feed savings lip design reduces feed waste, resulting in better feed conversions
- Feed levels can be easily adjusted with twist and lock feature
- Large windows allow for easy access to feed
- Fill and auger system delivers an accurate and uniform feed level to the entire flock

### *Gladiator Feed Pan Parts*

| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| FDDGTRC | Retainer Cap | 1 |
| FDDGTTAH | Tube Adapter-Half | 2 |
| FDDGTG | Grill | 3 |
| FDDGTGC | Grill Clip | 4 |
| FDDGTCI | Inner Cylinder | 5 |
| FDDGTFUW | Flooding Weighted Unit | 6 |
| FDDGTCO | Outer Cylinder | 7 |
| FDDGTPO | Pan Only | 8 |
| FDDGTCN | Nylon Cord | |
| FDDGTCTB | Thumb Bolt for Cord | |
| FDDGTCTN | Thumb Nut for Cord | |
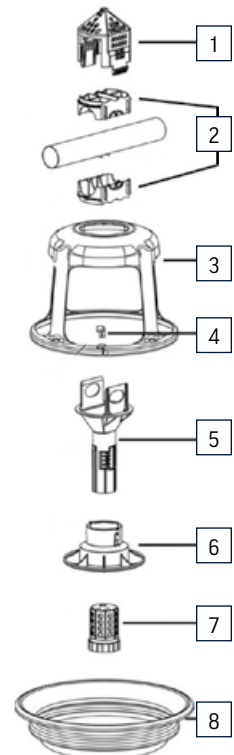


### *Gladiator Control Pan*

| ITEM NO. | DESCRIPTION |
|---|---|
| FDDGTPCM | Gladiator Turkey Control Pan |

## Val-Co Pan Feed Tubes

### Smooth Broiler Tube
Tubes come in 9' &
10' sections.



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDATP49 | 4 Hole on 9' |
| FDATP310 | 3 Hole on 10' |
| FDATP410 | 4 Hole on 10' |

### Ribbed Broiler Tube
Tubes come in 9' &
10' sections.



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDAT49R | 4 Hole on 9' |
| FDATP310R | 3 Hole on 10' |
| FDATP410R | 4 Hole on 10' |

### Smooth Turkey Tube



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDATFT210 | 2 Hole on 10' |
| FDPATFT310 | 3 Hole on 10' |

## Big Dutchman Pan Feed Tubes

### Smooth Broiler Tube



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDDPFT49 | Feeder Tube 4 on 9 |
| FDDPFT310 | Feeder Tube 3 on 10 |
| FDDPFT410 | Feeder Tube 4 on 10 |

### Smooth Turkey Tube



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDDTFT210 | Feeder Tube 2 on 10 |
| FDDTFT310 | Feeder Tube 3 on 10 |

## Feed Tube Clamps



*FDATPC*

*FDATPCBD*

*FDDTFTC*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDATPC | Tube Clamp 1-Bolt |
| FDATPCBD | Tube Clamp 1-Bolt- Big Dutchman |
| FDDTFTC | 2" U-Bolt Tube Clamp – Used for Turkey Feeders |

## Feed Tube Hangers



*CBA*

*RPA316*

*FDPFTHW*      *FDPFTHWR*      *FDATHST*

*FDPFTHCTA*      *FDPATFTHW*      *CBPTC316*

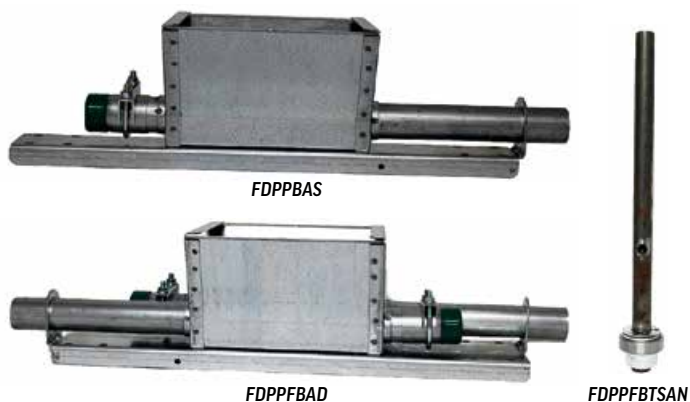| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPFTHW | Wire Tube Hanger |
| FDPFTHWR | Wire Tube Hanger- Ribbed Tube |
| FDATHST | Scissors Tube Hanger |
| FDPFTHCTA | Adjustable Rooster Tube Hanger- Ribbed Tube |
| FDBDCRPTS | Rooster Tube Stabilizer Hanger |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPATFTHW | Wire Tube Hanger for 2" Turkey Tube |
| CBA | ⅛" Cable Adjuster |
| RPA316 | ³⁄₁₆" Rope Adjuster |
| CBPTC316 | ³⁄₁₆" Plastic Thumb Clamp ( Red ) |

### Need your feed lines replaced?

Speak with a salesman today
to get a free quote on
a new pan feed system!

## Val-Co Broiler Unloads & Parts

FDPPBAS

FDPPFBAD

FDPFTSP

FDPPFBTSAN

BRCTF

FDVTSBR

BLBC175

FDPFBP

FDPFBPTP

FDSWI

FDSWS

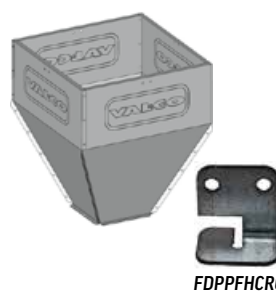| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPPBAS | Single Boot Assembly |
| FDPPFBAD | Double Boot Assembly |
| FDPPFBTSAN | Tail Shaft Assembly |
| FDPFTSP | Tail Shaft Only (No Bearing) |
| BRCTF | Tail Shaft Bearing Only |
| FDVTSBR | Tail Shaft Bearing Retainer |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BLBC175 | 1¾" Rubber Bearing Cap |
| BLATCL175 | 1¾" Tube Clamp |
| FDPFBP | Boot Bearing Plate |
| FDPFBPTP | Boot Tube Port/Bolt-on |
| FDSWI | Shocker Wire Insulator & Clamp |
| FDSWS | Shocker Wire Spring |

## Big Dutchman Broiler Unloads

FDDPFBTSA

FDDPFBTS

FDDPFBTSC

FDDPFBWK

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDDPFBTSA | Single Boot Assembly |
| FDDPFBTS | Tail Shaft Assembly |
| FDDPFBTSC | Tail Shaft Cap |
| FDDPFBWK | Wooden Agitator Ball |

## Val-Co Broiler Hoppers

FDPPFHCRC

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPPFH120 | 100 lb. Feed Hopper |
| FDPPFH300 | 300 lb. Feed Hopper |
| FDPFHE300LB | 10½" Feed Hopper Extension |
| FDPPFHCRC | Cable Retainer Clip for Feed Hopper |

## Val-Co Turkey Unloads

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPATSBA | Single Boot Assembly (Adult Turkey Feeder) |

## Val-Co Broiler Hopper Covers

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPHC200 | 100-200 lb. Hopper Cover |
| FDPHEC | 300 lb. Hopper Cover |

Feed Hopper Covers

## Big Dutchman Broiler Hoppers

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDDPFHP165 | Orange Poly Feed Hopper |

## Val-Co Turkey Hoppers
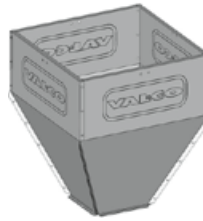
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPATH200 | 200 lb. Turkey Feed Hopper |

## Hanging Hopper Scale

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPHHS350 | 350 lb. Hanging Hopper Scale w/ Control |
| FDPPFH3SA | Scale Adapter Kit for 300 lb. Hopper |

## Rooster Winch
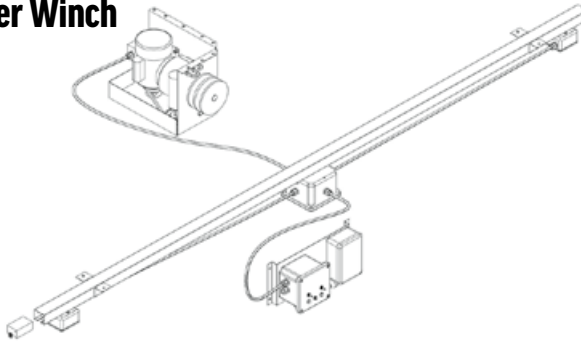
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDRWC | Rooster Winch w/ Control |
| FDRWR | Rooster Winch Rail |

## Pan Feed Auger

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPFAG | Pan Feed Auger Per Foot |
| FDPFAG205 | 205' Roll |
| FDPFAG305 | 305' Roll |
| FDPFAG380 | 385' Roll |
| FDPFAG405 | 405' Roll |
| FDPFAG505 | 505' Roll |

## Pan Feed Auger Drives

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPFD12226 | ½ HP 226 RPM Pan Feeder Auger Drive Unit |
| FDPFD12358 | ½ HP 358 RPM Pan Feeder Auger Drive Unit |
| FDPFD12657 | ½ HP 657 RPM Pan Feeder Auger Drive Unit |

### *Pan Feed Gearboxes & Parts*

*Big Dutchman Gearbox*

*Gear Oil*

*Val-Co Gearbox*

*Val-Co ½" Bore Pinion Gear*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDDFGB1358 | 358 RPM Gearbox – Big Dutchman |
| GRBPF226 | 226 RPM Gearbox – Val-Co |
| GRBPF358 | 358 RPM Gearbox – Val-Co |
| GRBPF657 | 657 RPM Gearbox – Val-Co |
| GRPG12358 | ½" Bore Pinion Gear f/ Val-Co |
| GRBOQ | Gear Oil – 32 oz. |

## Pan Feed Motors

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MTLA050 | ½ HP Leeson Auger Motor |
| MTLA075 | ¾ HP Leeson Auger Motor |

## TurboMates
*Quantity Pricing Available*

### Chick Start Pan

The TurboMate is a chick feeder designed to use for the first 14 days. It provides easy access to feed while minimizing waste

Place between automatic feeders and replace your other floor feeding systems

- Fits both ribbed and smooth feed tube types
- Recommend one TurboMate for every 75-100 chicks
- When finished, close off feed and rotate up 180 degrees for storage
- On smooth feed tubes, install the TurboMates in alternating directions to counterbalance the weight.
- On ribbed feed tubes, install an adjustable feeder hanger every 30 feet of feed tube to offset any tilting of feed line
- 8.5" tall from bottom of feed tube to bottom of pan

This version is not compatible with taller feeders such as the Chore-Time Revolution and the Big Dutchman Fluxx feeder.

### High Chick Start Pan

The TurboMate 1 Long Version is a chick feeder designed for taller feeders such as the Chore-Time Revolution and the Big Dutchman Fluxx feeder. Like the regular TurboMate, it is designed to use for the first 14 days. It provides easy access to feed while minimizing waste

Place between automatic feeders and replace your other floor feeding systems

- Fits both ribbed and smooth feed tube types
- Recommend one TurboMate for every 75-100 chicks
- When finished, close off feed and rotate up 180 degrees in either direction for storage
- 9.63" tall from bottom of feed tube to bottom of pan
- 2.65 lb. feed capacity

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDTMCSP | Chick Start Pan |
| FDTMCSP-H | High Chick Start Pan |

## Brower Hanger Feeder

Brower's hanging feeder is designed for birds of all ages

SPECIFICATIONS

- 30 lb. capacity
- Three feed adjustment settings permit openings of ⅜", ¾", & 1⅞".

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDHFBP30 | 30 lb. Brower Hanging Feeder Plastic |

## Dura-Gro Chick Feeders
*Quantity Pricing Available*

### Dura-Gro Chick Start Pan (Low)

The DURA-GRO Round Chick Feeder is designed to increase feeding efficiency. The round model makes it easier to maintain consistent feed level. You can combine DURA-GRO Feed Dispensers and Storage Systems for the easiest to use chick feeder system available. Fits all brands of feeding equipment.

### Dura-Gro Chick Start Pan (High)

The DURA-GRO Low Profile Round Chick Feeders are designed to be compatible with flood type feeding systems

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDCSPDGL | Dura-Gro Chick Start Pan (Low) |
| FDCSPDGH | Dura-Gro Chick Start Pan (High) |

## Kuhl Hanging Feeder

This KUHL Plastic Hanging Feeder has a built-in grill that reduces wasted feed. Each unit is constructed of heavy-duty polyethylene plastic material.

SPECIFICATIONS

- Pan Dimensions: 2¾" H x 17¼" diameter with a ⅝" rounded lip
- Cylinder Dimensions: 9" at the top, 11¼" at the bottom, 15½" high
- Capacity: 35 lbs

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDHFKP35 | 35 lb. Kuhl Hanging Feeder w/ Built In Grill |
| FDHFL | Hanging Feeder Lid |
| FDHFLF | Hanging Feeder Full Lid |

## Super Bowl Bucket Feeder

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDSBB | Super Bowl Bucket Feeder |

# Chick Feed Tray

### *Disposable Feed Tray*
*Quantity Pricing Available*

- Paper feed trays for feeding new chicks. Helps keep feed clean and reduce waste by small birds.
- Packaged in bundles of 100. Price per tray

### *Plastic Feed Tray*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDDFT | Disposable Feed Tray |
| FDFT | Plastic Feed Tray |

# Chick Mates

The First Start Chick Mate is designed to provide chicks with the proper amount of feed during the early growing stages.

### *BestStart Chick Feeder*

The BestStart Chick Feeder snaps directly on to the feed line for quick installation and convenient feed distribution. The crown sleeve kit helps to transition birds from chick feeders to pan feeders.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDCMFS | First Start Chick Mate (Yellow) |
| FDCMFSS | First Start Extension Sleeve (Green) |
| FDCMFSO | First Start Chick Mate (Orange) |
| FDCMFSSO | First Start Extension Sleeve (Orange) |
| FDVCM | Best Start Chick Mate w/ Extension Sleeve |
| FDTHC | Chick Mate Flood Hole Cover |

# Chick Paper

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CP41200 | 48" x 1200' 35# Chick Paper |

# Migration Fence & Parts

### *Wire Fence*

*FEATURES*

- Improves airflow and circulation for better temperature control and efficiency resulting in lower utility bills and a more consistent product.
- The design stays in place with stands.
- Easily modified for water lines & feed lines.
- Production oriented design allows for quick turnover and storage.
- Durable finish allows for easy cleaning.
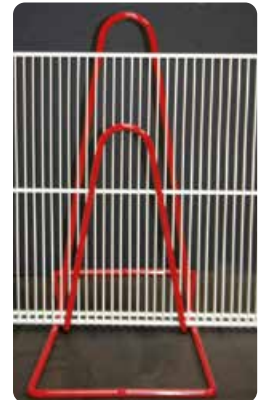
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MFWS | Migration Fence Wire Stand |
| MFW1612 | Migration Fence Wire 16" x 12' – Wire is ½" O.C. |

### *Plastic Fence*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MFBP | 9' Migration V-Fence |
| MFBPDI | Migration Fence Drinker Insert |
| MFBPFI | Migration Fence Feeder Insert |
| MFBPH | Migration Fence Black Plastic Hanger |

### *Migration Pipe*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PPCD8 | 8" Migration Pipe |
| PPCDC8 | 8" Inside Coupler |
| PPCDEC8 | 8" End Cap |

# Brooder Guard

The Brooder Guard is an 18" high corrugated board. Used as a fence for starting chicks.

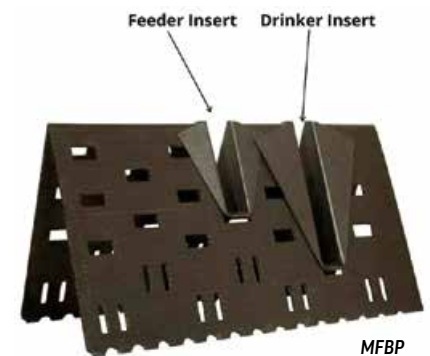| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BG15250 | 15" x 250' Brooder Guard |

Feeder Insert    Drinker Insert

*MFBP*

*PPCD8*    *PPCDC8*    *PPCDEC8*

# Chain Feeding

## Val-Co Flat Chain Feeding Systems
### *Flat chain feeding at its finest.*

VAL-CO® offers you a choice of suspended or floor model components – and a choice of equipment for weighing feed inside or outside the house.

VAL-CO flat chain drive hoppers are powder painted with welded steel construction and high quality gear reducers. Adjustable feed gate and remix wheel keeps the right amount of fresh feed in the trough.
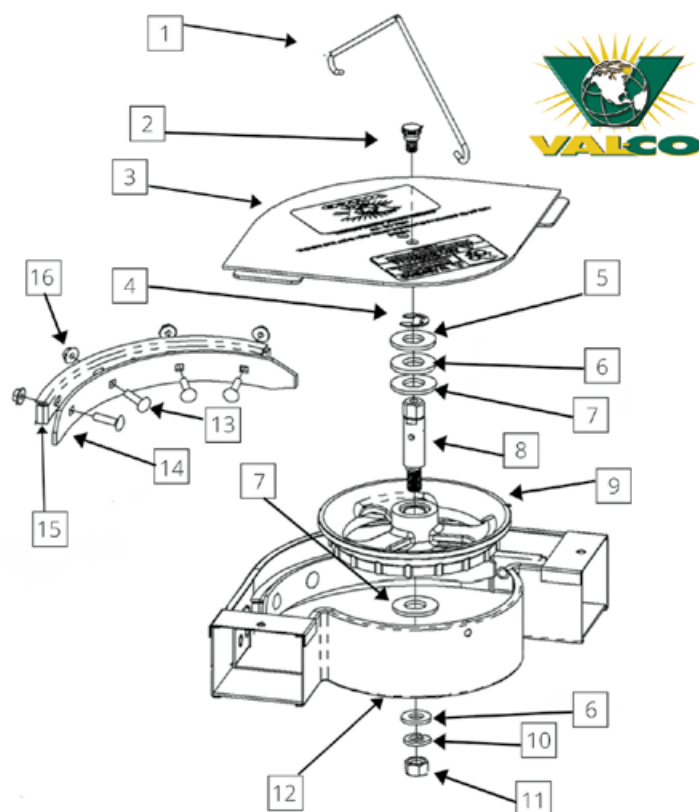
### *Feed Corner*

| ITEM NO. | DESCRIPTION |
|---|---|
| FDPCAH | Feed Corner Assembly with Hanger |

### *Val-Co Feed Corner Parts Breakdown*

| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|---|---|---|
| FDPCHB | Corner Wheel Hanger Bracket | 1 |
| FDCWCS | Corner Wheel Cover Screw (Plastic) | 2 |
| FDCWC | Corner Wheel Cover | 3 |
| FDSR | Snap Ring | 4 |
| FDDW | D-Washer | 5 |
| HRFW12 | ½" Flat Washer | 6 |
| FDFW | Fiber Washer | 7 |
| FDCP | Corner Post | 8 |
| FDCW | Corner Wheel Only w/ Washer | 9 |
| LW12 | ½" Lock Washer | 10 |
| HRN12Z | ½" Zinc Nut | 11 |
| 1/4X1CB | ¼" x 1" Carriage Bolt | 13 |
| HRN02K | ¼" Kepts Nut | 16 |
| FDHDRNS | Hold Down Rail-New Style | 14 |
| FDHDRB | Hold Down Rail Bracket | 15 |

**2** FDCWCS

**3** FDCWC

**4** FDSR

**5** FDDW

**6** HRFW12

**7** FDFW

**8** FDCPD

**9** FDCW

**10** LW12

**11** HRN12Z

**14** FDHDRNS

**15** FDHDRB

## Corner Wheel Bushing
Compatible with Big Dutchman feed corners.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDCWB | Corner Wheel Bushing |

## Old Style Hold Down Rail

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDHDR | Hold Down Rail – Old Style |

## Oil Cup

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDOC | Val-Co Oil Cup |
| FDOCW | 6" Wick for Oil Cup |

## Feed Chain
Price per foot.
Comes in 25' rolls.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPCF | Flat Feed Chain |

## Chain Guide

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDCGW | Wide Chain Guide |
| FDCG18 | 18" Chain Guide |

## C-Face Chain Feed Drive Motors

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPIDD60M1 | 1 HP C-Face Motor |
| FDPIDD90M1.5 | 1½ HP C-Face Motor |

## Trough Clean Out Covers

*FDTCOC*  *FDTCOCWB*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDTCOC | Feed Trough Clean Out Cover |
| FDTCOCWB | Wing Bolt for Clean Out Cover |

## Chain Feeder Drives



*FDPIDD60*

*FDPSLDH*

*FDPSLAH*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPSLDH | Drive Chain Feed Hopper |
| FDPSLAH | Auxiliary Chain Feed Hopper |
| FDPIDD60 | 60/120 FPM Independent Direct Drive 1 HP |
| FDPIDD60112 | 60/120 FPM Independent Direct Drive 1.5 HP |

## Parts for Chain Feeder Drives

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDRMW | Remix Wheel |
| FDRMWSH | Remix Wheel Shaft |
| FDPRMABP | Anti Back Feed Plate for Remix Wheel |
| FDPDSSL | Drive Sprocket |
| FDPIDDIS | Input Sleeve for Direct Drive |
| FDCSTIDD | Chain Stripper for Direct Drive |
| FDCST | Chain Stripper for Belt Drive |
| FDPS | Power Shoe for Val-Co Chain Feeder |
| FDSP | Feeder Shear Pin (10 Pk) |
| FDPSH | Shear Pin Hub-Val-Co |
| VB4L240 | 4L240 24" V Belt – 90 ft. Per Minute Feed Drive |
| VB4L220 | 4L220 22" V Belt – 60 ft. Per Minute Feed Drive |
| VAK2358D | AK 23 x ⅝" Double Pulley – 60 ft. Per Minute Feed Drive |
| VAK3458D | AK 34 x ⅝" Double Pulley – 90 ft. Per Minute Feed Drive |

*FDRMW*  *FDRMWSH*  *FDPRMABP*

*FDPDSSL*  *FDPIDDIS*  *FDCSTIDD*

*FDCST*  *FDSH, FDPSH*

*FDSP*

*VAK2358D*  *VB4L240*

## Extension Hopper

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPSLEH | Chain Feeder Extension Hopper |
| FDPSLEHRN | ¼" Square Retainer Nut |
| FDPSLEHTS | ¼" Thumb Screw |

Extension Hoppers
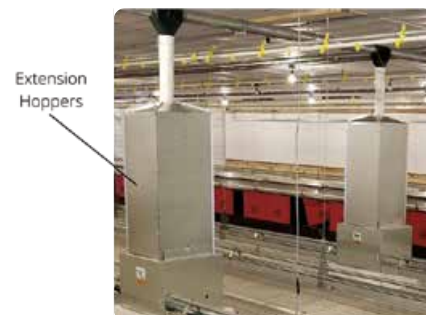
## Big Dutchman Chain Feed System

### *The proven Champion Chain feeding system improves production and profits.*

Flexible, efficient and productive, the Champion Chain feeding system provides superior feed flow in an easy-to-install, low-maintenance, and durable package. The Champion Chain is based on the original design that set the standards for maximized feed conversions, reliability, and durability. In fact, enough Champion Chain has been sold to wrap around the planet nearly four times!

#### IMPORTANT ADVANTAGES

- Fast, uniform feed distribution yielding uniform nutrition and bird size, with less stress and migration
- Provides approximately 43% more feeding space than drag auger feeders, and allows birds to eat from both sides of the trough
- Reduces competition for feed with a large-capacity trough
- Reduces feed waste with an internal remix wheel
- Regulates the amount of feed coming from the hopper, keeping a consistent supply of feed on the chain
- Available for pullets and breeder hens

### *Feed Corner*

Big Dutchman chain feeder corner assembly with suspension hanger

- Replacement parts available including wheel and wear points
- Removable cover for easy access to check chain
- Corner post is accessible for oiling of the corner wheel

### *Big Dutchman Feed Corner Parts Breakdown*

| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|----------|-------------|----------------|
| FDDCWA | Corner Wheel Assembly | |
| FDDCHB | Corner Wheel Hanger Bracket | 1 |
| FDDCWCS | BD Corner Wheel Cover Wing Screw | 2 |
| FDDCWC | Orange Corner Wheel Cover | 3 |
| FDSR | Snap Ring f/ Chain Feed Corner | 4 |
| HRFW12 | ½" Flat Washer | 5 |
| FDFW | Fiber Washer | 6 |
| FDCWD | Feed Corner Wheel (only) | 7 |
| FDCPD | Corner Post | 8 |
| HRN12Z | ½" Zinc Nut | 9 |
| LW12 | ½" Lock Washer | 10 |
| FDDHDR | Hold Down Rail | 11 |

## Big Dutchman Feed Corner Parts

| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 | 10 |
| 11 |
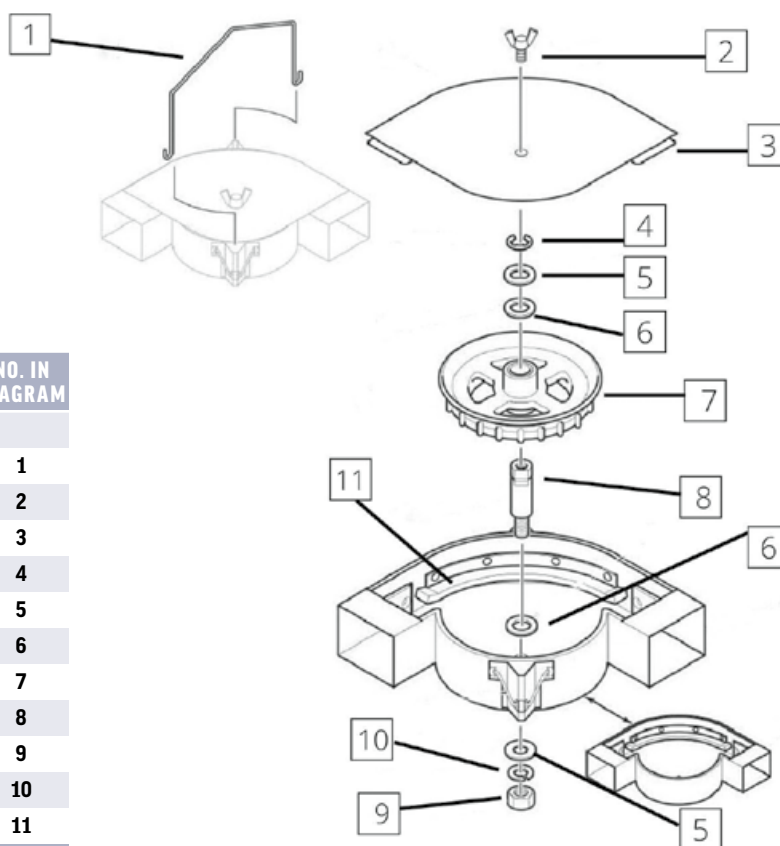
### Corner Wheel Bushing

Compatible with Val-Co feed corners.

| ITEM NO. | DESCRIPTION |
| --- | --- |
| FDCWB | Corner Wheel Bushing |

### Oil Cup

| ITEM NO. | DESCRIPTION |
| --- | --- |
| FDDOC | BD Oil Cup |
| FDOCW | 6" Wick for Oil Cup |

### Chain Feeder Drives

| ITEM NO. | DESCRIPTION |
| --- | --- |
| FDDCDG60 | BD Chain Feed Gearmotor 60 FPM 1 HP |
| FDDCDG80 | BD Chain Drive Gearmotor 80 FPM 1 HP |

### Feeder Drive Sprocket

| ITEM NO. | DESCRIPTION |
| --- | --- |
| FDDSD | Feeder Drive Sprocket |

### Shear Pins & Hubs

*FDSP*

*FDBDSPH*

*FDSH*

| ITEM NO. | DESCRIPTION |
| --- | --- |
| FDSP | Feeder Shear Pin (10 Pk) |
| FDBDSPH | Shear Pin Hub with Hardware |
| FDSH | Shear Pin Hub |

### Feed Chain

Price per foot. Comes in 25' rolls.

| ITEM NO. | DESCRIPTION |
| --- | --- |
| FDDCF | Flat Feed Chain |

### Trough Clean Out Covers

*FDTCOWB*

*FDTCO*

| ITEM NO. | DESCRIPTION |
| --- | --- |
| FDTCO | Feed Trough Clean Out Cover |
| FDTCOWB | Wing Bolt for Trough Clean Out Cover |

### Feed Trough Stands

| ITEM NO. | DESCRIPTION |
| --- | --- |
| FDDCTSCA | Coupler Stand Assembly |
| FDDCTSLP | Plastic Stand Only |

### Maintenance Tips for Chain Feeders

- Make sure your chain is properly tightened. Add or remove links as needed.
- Lubricate the center post in corner units every 60 days.
- Inspect drive hopper unit V-belts for excess wear regularly.
- Check & maintain a proper oil level in gearbox every 6 months. Change oil every 12 months.
- Keep feed lines level & square at all times to reduce excess wear. Check trough connections if needed.
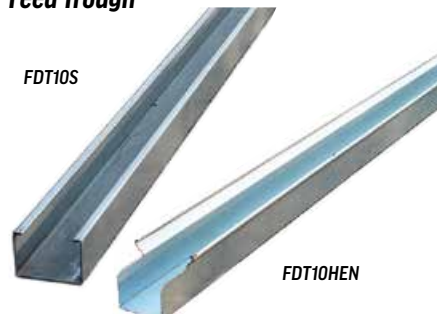- Be sure to remove all broken shear pins from system.

## General Chain Feeding Supplies

These supplies interchange with most chain feeding systems

### Feed Trough

*FDT10S*

*FDT10HEN*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDT10S | 10' Pullet Trough |
| FDT10HEN | 10' Hen Trough |
| FDT12HEN | 12' Hen Trough |

### Trough Couplers

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDPTC8 | 8" Pullet Trough Coupler |
| FDTC8 | 8" Hen Trough Coupler |

### Feed Trough Grills

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDTG11116X2256 | Breeder Grill 1¹¹⁄₁₆W x 2½H x 6'L – Hi Profile |
| FDTGRP | Regular Profile Grill 1¾"W x 5'L |

### Grill End Caps

*FDTGREC*          *FDTGHEC*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDTGHEC | Grill End Cap / Hi Profile |
| FDTGREC | Grill End Cap / Regular Profile |

### Chain Breaker

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDDCB | Feed Chain Breaker |

### Trough Hangers

*FDHTCHB*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDWTHHP | Trough Hanger – High Profile |
| FDHTCHB | Hanger for Hen Trough & Conduit |
| HRSH114 | 1¼ S-Hook |

### Center Conduit Support

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDHTCCS | Center Conduit Support for Hen Trough |

### Trough Patch

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDTPH | High Lip Trough Patch |

# Hog Feeding

## SDI

### Nursery Feeders
### Multiple sizes and configurations available

SDI's Nursery Feeders are great for introducing weaned piglets to dry feed.

#### FEATURES

- Built tough – constructed of 20-gauge and heavier stainless steel
- Welded for durable, long-lasting use
- Multiple holes and knockouts simplifies installation in various application
- Roll-hemmed & folded edges – to avoid sharp points and provide superior strength
- EZ-Squeeze Adjustment System – "farmers favorite" – easy function with precise feed flow settings

### Finisher Feeders
*Other sizes and configurations available*

## SDI's Finish Feeder – recognized for outstanding quality and performance, precision, and low maintenance!

### FEATURES

- Built tough – constructed of 18-gauge and heavier stainless steel
- Welded for durable, long-lasting use
- Multiple holes and knockouts – simplifies installation in various applications
- Roll-hemmed & folded edges – to avoid sharp points and provide superior strength
- EZ-Squeeze Adjustment System – "farmers favorite" – easy function with precise feed flow settings.

### Single

| ITEM NO. | DESCRIPTION |
|---|---|
| HGFDFS2 | Single 2 Finisher Feeder |
| HGFDFS3 | Single 3 Finisher Feeder |
| HGFDFS4 | Single 4 Finisher Feeder |
| HGFDFS5 | Single 5 Finisher Feeder |
| HGFDFS6 | Single 6 Finisher Feeder |

### Double

| ITEM NO. | DESCRIPTION |
|---|---|
| HGFDFD4 | Double 4 Finisher Feeder |
| HGFDFD5 | Double 5 Finisher Feeder |
| HGFDFD6 | Double 6 Finisher Feeder |
| HGFDFD7 | Double 7 Finisher Feeder |
| HGFDFS6 | Single 6 Finisher Feeder |

## Brower Pig Feeders

These feeders are constructed of heavy 20-gauge galvanized steel for years of service. They are equipped with an adjustable feed gate at the trough, which provides for a fast feed flow. It also has a 1" wide feed saver lip. This model of feeder is designed for 4-week-old piglets to sows. Top covers raise from the back for easy, convenient filling without disturbing the hogs. Heavy, weather-tight trough lids keep the feed dry and keeps pests out of the feed.

| ITEM NO. | DESCRIPTION |
|---|---|
| BE-11H | Brower 1 Door Pig Feeder 1.5 BU. |
| BE-22H | Brower 2 Door Pig Feeder 3.7 BU. |

## Galvanized Hog Feeders

| ITEM NO. | DESCRIPTION |
|---|---|
| FRDSDHF | Single Door Feeder |
| FRDDDHF | Two Door Hog Feeder |

## Feed Drop

### FEATURES

- Quickly read feed level and delivery settings through the translucent body with calibration marks
- Easily adjust individual rations and delivery settings with the durable side handle
- The built-in cable retainers maintain cable alignment while roller pulleys reduce resistance to extend the cable life of the pull cord
- Easily install even on existing auger lines

| ITEM NO. | DESCRIPTION |
|---|---|
| HGFDSVD10C | Sow 10 lb. Feed Volume Drop Control |
| HGFDSVD10 | Sow 10 lb. Feed Volume Drop |

# Community Nests

## Jansen Nesting System

The Jansen Poultry Equipment laying nest is a high quality nest, manufactured of first-class shuttering plywood. The nest is designed to fulfill the natural needs of the hens by creating comfortable surroundings. The open structure of the nest mats ensures clean eggs. Eggs roll onto the egg belt with a precise rolling speed and short rolling distance. This preserves the quality of the egg. The nest provides hens a comfortable and hygienic environment in which to lay their eggs, even with high bird density and high temperatures. Combined with the correct management, floor eggs are kept to a minimum.



### Looking for a complete system? Contact one of our salesmen for a quote!

**ADVANTAGES**

- Nest materials allow for easy cleaning and disinfection.
- The nest is made of first-class film faced plywood.
- Cleaner eggs, less cracks, less downgrades
- Special soft JPE nest mat, supported by a wire mesh bottom. Dirt falls through small holes in the open nest mats.
- Roof lids can be opened for easy inspection and cleaning.
- Perforated egg belt with round holes
- Patented expel system gently moves the hens out of the nest

---

### Egg Transfer Plates



*Egg Transfer Plates*

| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBT10 | 10" Egg Transfer Plate/Brush – Plastic Finger |
| JNEBT16P | 16" Egg Transfer Plate/Brush – Plastic Finger |
| JNEBT16R | 16" Egg Transfer Plate/Brush – Rubber Cord |
| JNEBT20P | 20" Egg Transfer Plate/Brush – Plastic Finger |
| JNEBT20R | 20" Egg Transfer Plate/Brush – Rubber Cord |
| JNEBTPFO | Plastic Finger Transfer Brush Only |
| JNTBC | Transfer Brush Cord – Price per ft. |

### Egg Belt Drive Units

*Egg Belt Drive Unit*



| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBDU20080 | 20" Egg Belt Drive Unit 80 m |
| JNEBDU20120 | 20" Egg Belt Drive Unit 120 m |

### Egg Belt Drive Bearings



| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBDB230 | 30mm Bearing for Egg Belt Drive |
| JNEBDB240 | 40mm Bearing for Egg Belt Drive |
| BRI40MMGSC | 40mm Insert Bearing – Greasable |

### Egg Belt Drive Motors



| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBM37KW | Egg Belt Motor .37KW |
| JNEBM55KW | Egg Belt Motor .55KW |

### Egg Belt Drive Gearboxes

| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBGBB.37 | .37KW Blue Gearbox |
| JNEBGB.37 | .37KW Gearbox |
| JNEBGB.55 | .55KW Gearbox |
| JNEBDPG | Pinion Gear for .37KW Gearbox |
| JNEBGPGB | Pinion Gear for .37KW Blue Gearbox |
| JNEBDPG-55 | Pinion Gear for .55KW Gearbox |
| JNEBGBMB.37 | Mounting Plate for .37KW Gearbox |
| JNEBGBMB.55 | Mounting Plate for .55KW Gearbox |



*JNEBGBB.37*



*JNEBGB.37*



*JNEBGBMB.37*



*JNEBDPG, JNEBDPG-55*   *JNEBGPGB*



*JNEBGBMB.55*

---

### Egg Belt Drive Shafts



| ITEM NO. | DESCRIPTION |
|---|---|
| JNDRS1630 | 16" Drive Shaft 30mm |
| JNDRS1640 | 16" Drive Shaft 40mm |
| JNDRS2030 | 20" Drive Shaft 30mm |
| JNDRS2040 | 20" Drive Shaft 40mm |

### Key Stock



| ITEM NO. | DESCRIPTION |
|---|---|
| JNKS30M | 30mm Key Stock |
| JNKS40M | 40mm Key Stock |

### Egg Belt Drive Rollers



| ITEM NO. | DESCRIPTION |
|---|---|
| JNDR10 | 10" Drive Roller |
| JNDR16-30 | 16" Drive Roller 30mm |
| JNDR16 | 16" Drive Roller 40mm |
| JNDR20-30M | 20" Drive Roller 30mm |
| JNDR20 | 20" Drive Roller 40mm |

### Compression Rollers



*JNEBCRS16, JNEBCRS20*



*JNEBCR*   *JNEBCRSC20*

| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBCRS16 | 16" Compression Roller Shaft – 17⅝" x 20mm |
| JNEBCRS20 | 20" Compression Roller Shaft – 21½" x 20mm |
| JNEBCR | Compression Roller Wheel |
| JNEBCRSC20 | 20mm Shaft Collar |

### Idler Rollers

| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBWRI16 | 16" Idler Roller for Egg Belt |
| JNEBWRI20 | 20" Idler Roller for Egg Belt |



### Weight Rollers



*JNEBWR20*



*JNEBWRGRT*



*JNEBWRGRTM*



*JNEBWRGRSB*



*JNEBWRGBN*



*JNEBWRGRST*



*JNEBWRGBIS*

| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBWR20 | 20" Weight Roller for Egg Belt |
| JNEBWRGRTM | Mounting Bracket for Weight Roller |
| JNEBWRGRT | Guide Rail Track for Weight Roller |
| JNEBWRGRSB | Bottom Stop for Guide Rail Track |
| JNEBWRGRST | Top Stop for Guide Rail Track |
| JNEBWRGBN | Nylon Guide Bushing for Weight Roller |
| JNEBWRGBIS | Inner Threaded Sleeve for Weight Roller |

# Community Nests



## Return Rollers



RETURN ROLLERS

BRI25MMSSS

| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBRR16 | 16" Egg Belt Return Roller |
| JNEBRR20 | 20" Egg Belt Return Roller |
| BRI25MMSSS | 25mm Insert Bearing for Return Roller |

## Egg Belt Supports



| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBS10 | 10" Egg Belt Support |
| JNEBS16 | 16" Egg Belt Support |
| JNEBS20 | 20" Egg Belt Support |

## Egg Belt Guide Clip



| ITEM NO. | DESCRIPTION |
|---|---|
| JNEBC | Egg Belt Guide Clip |

## Nest Pad Clips



JNNWPCS

JNNPCL

JNNPHB

| ITEM NO. | DESCRIPTION |
|---|---|
| JNNPCL | Lower Nest Pad Clip |
| JNNPHB | Nest Pad Front Holding Bracket |
| JNNWPCS | Clip for Small Nest Pad on XXL Bolted Nest |

## Dust Trays



| ITEM NO. | DESCRIPTION |
|---|---|
| JNNDTP | Premium + Nest Dust Tray |
| JNNDTXL | XL Nest Dust Tray |
| JNNWDTDP | Wooden Dowel Pin for Dust Tray |

## Wire Nest Bottoms



| ITEM NO. | DESCRIPTION |
|---|---|
| JNNBWP | Premium + Wire Nest Bottom |
| JNNBWXL | XL and XXL Wire Nest Bottom |

## Nest Front Board



Nest Front Board



JNNWFBSB

JNNWFBL

| ITEM NO. | DESCRIPTION |
|---|---|
| JNNFB8 | 8' Front Board |
| JNNWFBSB | Snap-Fit Bracket for Front Board |
| JNNWFBL | L-Bracket for Front Board |



Poultry Equipment

## Brackets for Back Wall



JNNWBWJXXL          JNNWBWPHB          JNNWBWLXL

| ITEM NO. | DESCRIPTION |
|---|---|
| JNNWBWJXXL | J-Bracket for XXL Back Wall |
| JNNWBWLXL | Extension L-Bracket for XL Back Wall |
| JNNWBWPHB | Plastic Holding Bracket for Back Wall |

## Back Wall Flaps

| ITEM NO. | DESCRIPTION |
|---|---|
| JNNBWGF | Gray Flap for Back Wall – Sold per foot. |

## Nest Closure Flaps



Nest Closure Flaps

| ITEM NO. | DESCRIPTION |
|---|---|
| JNRFWRF | Red Roof Flap for Bolted Nest |
| JNRPRF | Red Roof Flap for Peaktop Nest |

## Roof Hinges



JNRFWHM

JNRFPHM          JNRHP

| ITEM NO. | DESCRIPTION |
|---|---|
| JNRFPHM | Jansen 3pc. SS Hinge f/ Bolted Roof (old style) |
| JNRFWHM | Jansen 2pc. L/R SS Hinge f/ Bolted Roof |
| JNRHP | Jansen Plastic Hinge f/ Nest Roof |

## Parts for Expel Pipe

JNEXPP   JNEXRP   JNEXPC   JNEXPA

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| JNEXPP | Expel Pipe Plug |
| JNEXRP | Roll Pin for Expel Pipe |
| JNEXPC | Expel Pipe Coupler |
| JNEXPA | Expel to Center Pipe Adapter |

## Expel Wire & Clamps

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| JNEXWGP | Premium + Expel Wire Grate |
| JNEXWGXL | XL and XXL Expel Wire Grate |
| JNEXEF | Expel Extension Finger |
| JNEXCW | Expel Wire Clamp (½ Clamp) – 2 pieces needed for a complete set. |
| JNNWEXPP | Plastic Stop Pin for Expel Wire – Bolted Nest |

*Wire Grate*

*Extension Finger*

JNEXCW   JNNWEXPP

## Expel Units and Parts

*Drive Unit*

*Slave Unit*

JNEXMDU

JNEXMPG

JNEXRDRG

JNEXRG

JNEXLSA

JNEXMTB

JNEXMCAP

JNEXBB   JNEXDIG   JNEXRDG   JNEXRGB   JNEXSIG   JNEXSSA   *Metal Slide Bracket for Jansen End Cover*   JNEXTBPGZ38
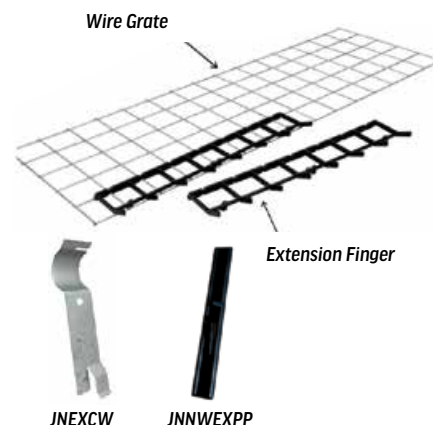
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| JNEXRGDU16 | Expel 16" Rack Gear Drive Unit – Brackets and Motor Drive Sold Separately |
| JNEXRGDU20 | Expel 20" Rack Gear Drive Unit – Brackets and Motor Drive Sold Separately |
| JNEXRGSU16 | Expel 16" Rack Gear Slave Unit – Brackets Sold Separately |
| JNEXRGSU20 | Expel 20" Rack Gear Slave Unit – Brackets Sold Separately |
| JNEXMDU | Expel Motor Drive Unit – Use for Premium +, XL, and XXL – **Limits must be adjusted by install technician** |
| JNEXMO | Expel Motor Only |
| JNEXMPG | Pinion Gear for Expel Motor |
| JNEXMDB | Expel Gearbox Mounting Plate |
| JNEXLSA | Expel Limit Switch Assembly |
| JNEXMCAP | Capacitor for Expel Motor |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| JNEXBB | Bronze Bushing for Expel Unit |
| JNEXDIG | Drive Input Gear for Expel Unit |
| JNEXRDG | Expel Rack Drive Gear |
| JNEXRDRG | Expel Rack Driven Gear |
| JNEXRG | Expel Rack Gear |
| JNEXRGB | Expel Guide Block for Rack Gear |
| JNEXSIG | Slave Input Gear for Expel |
| JNEXSSA | Shifter Shaft Assy. for Expel |
| JNEXMTB | Jansen Toothed Belt for Expel |
| JNEXTBPGZ21 | Z21 Tooth Belt Pinion Gear for Expel |
| JNEXTBPGZ38 | Z38 Tooth Belt Pinion Gear for Expel |
| JNNWECS | Jansen End Slide Cover for Bolted Nest |
| JNNWECSM | Metal Slide Bracket for Jansen End Cover |

## Electrical Supplies

JNCBB1P2A    JNCBB2P6A    *Contactors*    JNCBEXTC    *Overloads*    JNCBMOACB

JNCBT    VFD    JNEBSC    JNCBKM

| ITEM NO. | DESCRIPTION |
|---|---|
| JNCBB1P2A | 2 Amp Single Pole Breaker |
| JNCBB2P10A | 10 Amp Double Pole Breaker |
| JNCBB2P6A | 6 Amp Double Pole Breaker |
| JNCBC220NC | Expel 220V Contactor 1-N/C & 3-N/O |
| JNCBC220NO | Expel 220V Contactor 4-N/O |
| JNCBC24NC | Expel 24V Contactor 1-N/C & 3-N/O |
| JNCBC24NO | Expel 24V Contactor 4-N/O |
| JNCBEXTC | Expel Time Clock |
| JNCBMO5537 | Motor Overload for .55KW & .37KW |

| ITEM NO. | DESCRIPTION |
|---|---|
| JNCBMO77 | Motor Overload for .77KW |
| JNCBMOEX | Motor Overload for Expel |
| JNCBMOACB | Auxiliary Contact Block for Overload |
| JNCBT | Transformer 240VAC-24VAC |
| JNCVFD05 | ½ HP VFD for Egg Belt |
| JNCVFD10 | 1 HP VFD for Egg Belt |
| JNCVFD20 | 2 HP VFD for Egg Belt |
| JNEBSC | Speed Control for Egg Belt |
| JNCBKM | Multi-Key for Control Box |

## Egg Belt

- All Jansen egg belt is sold by the meter. (1 meter = 3.28 ft./39.37 in.)
- Jansen egg belt interchanges with most other brands including Potters and Vencomatic.

*8" Gray Egg Belt*

*Gray*    *FeatherGlide*    *Black*

*Jansen*

### Gray

| ITEM NO. | DESCRIPTION |
|---|---|
| EGB375G1040 | 3¾" Gray Egg Belt – 1040' |
| EGB375G1240 | 3¾" Gray Egg Belt – 1240' |
| EGB8G1220 | 8" Gray Egg Belt – 1220' |

### FeatherGlide

| ITEM NO. | DESCRIPTION |
|---|---|
| EGB375S850 | 3¾" FeatherGlide Egg Belt – 850' |
| EGB375S1050 | 3¾" FeatherGlide Egg Belt – 1050' |
| EGB375S1250 | 3¾" FeatherGlide Egg Belt – 1250' |

### Jansen

| ITEM NO. | DESCRIPTION |
|---|---|
| JNEG10 | 10" Egg Belt – 200 meter roll |
| JNEG16 | 16" Egg Belt – 300 meter roll |
| JNEG20 | 20" Egg Belt – 300 meter roll |
| JNEBLS | Belt Lacer Strap – *Price per foot. Approx. 2 ft. of strap per row of holes.* |

### Black

| ITEM NO. | DESCRIPTION |
|---|---|
| NSNEBP81220 | 8" Black Plastic Egg Belt – 1220' |

## Egg Belt Needle & Thread



*EGBN*    *EGBT*    *EGBTS*

| ITEM NO. | DESCRIPTION |
|---|---|
| EGBN | Egg Belt Sewing Needle |
| EGBT | Egg Belt Thread – 1 lb. Roll |
| EGBTS | Egg Belt Thread – Small Roll |

## Nest Pads

| ITEM NO. | DESCRIPTION |
|---|---|
| JNP18X48 | Jansen Premium + Nest Pad – 18" x 48" |
| JNP20X23 | Jansen XL and XXL Nest Pad – 20" x 23" |
| JNP18X164 | AstroTurf® 18.4" x 164' Roll – Fits Jansen Premium + |
| JNP20X164 | AstroTurf® 19.7" x 164' Roll – Fits Jansen Xl and XXL |
| JNNWBWBPP | Small Pad for XXL Bottom Plate |
| NSPSB20FP | 20 ct. Finger Pad for 20 Hole Nest |
| NSPSB20AP | 20 ct. AstroTurf Pad for 20 Hole Nest – For Val-Co Nest |
| NSNCBPA | AstroTurf Nest Pad per piece – For Big Dutchman NXB Nest – 9.8" x 13.25" |
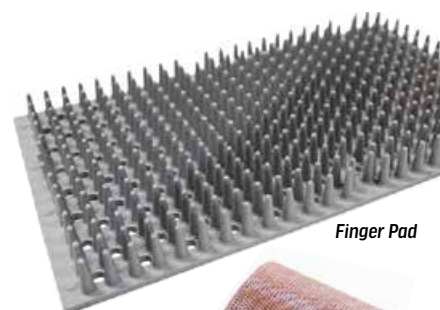

*AstroTurf Pad*


*Finger Pad*


*Community Nest Pad Roll*


*Jansen Nest Pad for XL, XXL, & Premium +*

## Plastic Nesting Box

### FEATURES

- Impact-resistant polyethylene will not rust, rot, or corrode
- Plastic surface is easy to keep clean and does not get as cold as metal
- Entrance perch and ventilation holes for fresh air.
- Lowered box floor helps prevent loss of bedding, sloped roof prevents roosting
- Can be mounted vertically or side by side



| ITEM NO. | DESCRIPTION |
|---|---|
| FRDPNB | Plastic Nesting Box |

## Galvanized Nesting Box

### FEATURES

- Made of sturdy galvanized steel and durable plastic
- Amply sized, hen-friendly design features a front guard that prevents birds from scratching bedding out of the nest
- Plastic bottom is ventilated and angled slightly so eggs won't roll out of the nest
- Measures 31.5 in. long x 19.7 in. wide x 17.7 in. high when assembled



| ITEM NO. | DESCRIPTION |
|---|---|
| FRDGTNB | Galvanized Nesting Box |

## Maintenance Tips for Community Nests

### DAILY

- Regularly inspect the nest for dirt build-up and damage. Check for and remove dead birds regularly.
- Bent expel grates must be repaired as soon as possible.

### WEEKLY

- Empty & clean the dirt drawer, situated under the collection table.
- Check to make sure the nest mats are positioned correctly. The eggs must roll easily onto the egg belt.
- Check the nest mats for dirt.
- Check the egg belt return roller for dirt build-up, clean it, and remove dirt and feathers.

### MONTHLY

- Lubricate rod conveyor chains with silicone spray.
- The pulleys of the brush which cleans the belt must be cleaned to prevent slippage.
- Check egg belts and nest mats. Beware that the nest mat material may attract rodents.
- Replace worn out egg belt, chains, sprockets, and other parts as soon as possible.

## NXB Nests

### *Single hole laying nest designed for the next breed of breeder hens*

The NXB is a single hole laying nest designed with both productivity and compatibility in mind. Produced for the next breed of breeder hens, this system features complete coverage for the eggs, removable sections for ease of use, and various optional additions to maximize your system's abilities.

**IMPORTANT ADVANTAGES**

- Single hole laying nest with 10, 9 or 8 nest holes per section side (length of a section is 8' or 2,438 mm)
- Plastic or woven belts are available
- Full nest width egg shields
- Complete coverage of the egg belt keeps eggs hidden
- Nest floor and the substructure below the egg belt consists of corrosion-proof zinc aluminum coated wire grate
- Nest bottom is covered with a perforated nest insert which is easy to install, or taken out for easy cleaning
- Removable sheet metal covers allow the producer easy access to the egg belt for inspection
- Centrally activated closure rods can be lowered at night to prevent hens from sleeping in the nest and aid in keeping the nests clean
- Central suspension system can be winched for servicing between batches

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSNCB20 | NXB 20-Hole Center Belt Nest |
| NSNCBRI | Belt Idler Return Assembly |

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### *Connector Passages*
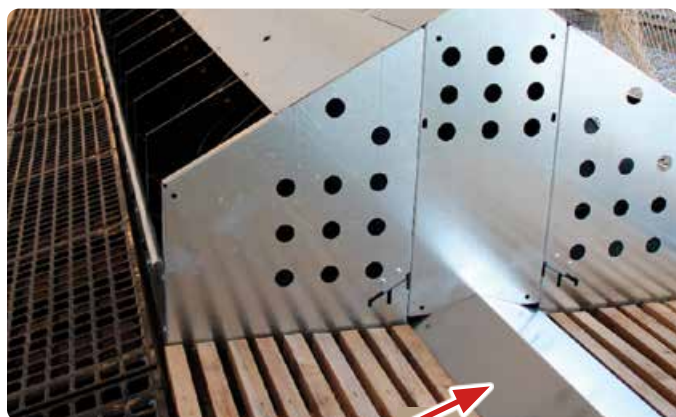
Connector Passage

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSNCBCP30 | 30" Connector Passage |
| NSNCBCP36 | 36" Connector Passage |
| NSNCBCP48 | 48" Connector Passage |
| NSNCBCP96 | 96" Connector Passage |

### *NXB Nest Supplies*
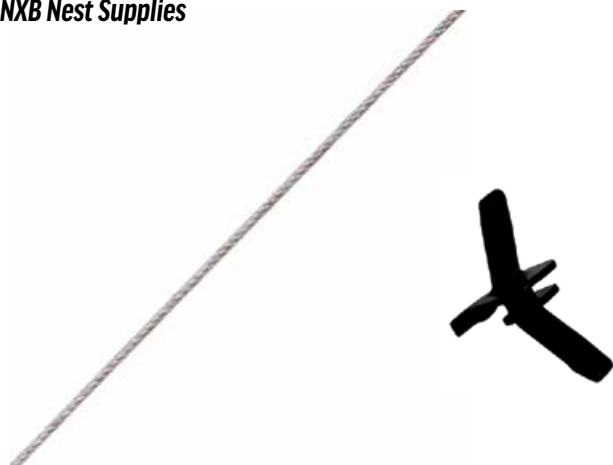
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSNCBTC | Traction Cable for Nest Blocker – ¹⁄₁₆" cable |
| NSNPC | Pad Clip |
| NSNCB20WBS | Wire Grill Belt Support |

## NXB EggTrax Drive

### *EggTrax – Reinforced egg belt drive for smooth transfer of eggs*

The EggTrax egg handling system is used to transfer broiler breeder eggs from the longitudinal egg belt to the cross belt. The system ensures a simple, safe and smooth transfer of eggs for maximum quality control. Adjustable wire threads and anti-crack fingers are just a few of the advantageous features of this proven system.

#### IMPORTANT ADVANTAGES

- Tension adjustable wire threads (optional) ensure a smooth transfer of the eggs while simultaneously allowing feathers, dust, and eggs without shell to fall down between the threads
- Anti-crack fingers provide a light pressure on the eggs, ensuring a controlled transfer to the cross belt
- An integrated egg belt brush cleans the belts
- Transfer of the eggs onto a rod or steep conveyor is optional
- The unit can be removed single-handedly, facilitating cleaning with a high-pressure cleaner
- Standard conveying speed 13.1 ft. per minute
- Drive width 6.95", 13.78", 19.69"

*NSNCBDTETBAP*
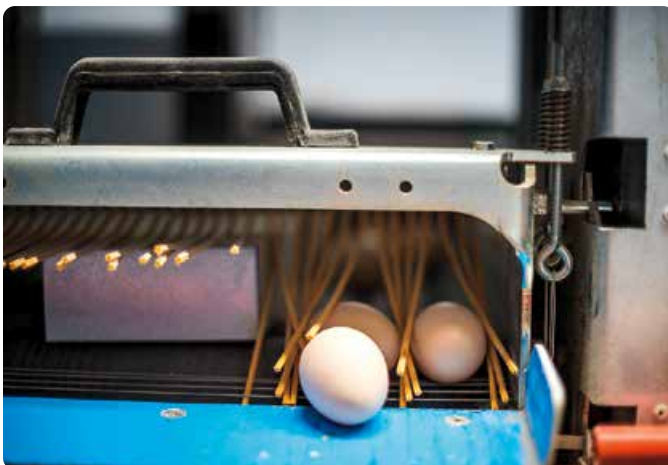
Egg Transfer Assembly

| ITEM NO. | DESCRIPTION |
|---|---|
| NSNCBDTE | Center Belt Drive with Transfer |
| NSNCBDTETT | Egg Transfer Assembly |
| NSNCBDTETTC | Egg Transfer Cable |
| NSNCBDTETBAP | Passage to Drive Adaptor Bracket |
| NSNCBDTETBAPC | Angle Bracket for Passage Connector |
| NSNCBDTETG | Gearbox |

## NXB EggSort Collection Table

### *EggSort – Table drives for gentle egg collection*

Ideally suited for manual collection of eggs, EggSort collection tables ensure maximum smoothness during egg collection because there are virtually no transfer points. Eggs are transferred from the nests and out of the breeder barn on woven or plastic egg belts. In the service room the eggs are then gathered on the collector tables for manual packing. They are available in either center or side belt designs depending on the needs of the house.

### IMPORTANT ADVANTAGES

- Durable, galvanized, heavy-duty construction
- Large, adjustable egg shelf
- Variable speed front mounted control with reverse and emergency stop
- Plastic or woven belts

- Reliable 3 phase motors
- Adjustable feet
- Pre-wired
- Egg belt cleaning brush
- 21 foot per minute belt speed
- Easy access to controls
- Removable, magnetic table pads

*\* Side belt option also available*

| ITEM NO. | DESCRIPTION |
|---|---|
| NSNCBCT | Center Belt Collection Table |

### *Motor*

| ITEM NO. | DESCRIPTION |
|---|---|
| MTNCT34220 | ¾ HP Motor |

### *Flange Bearing*
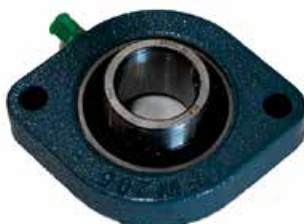
| ITEM NO. | DESCRIPTION |
|---|---|
| BR25MMCF | 2 Bolt 25mm Flange Bearing |

### *Plastic Hinge*

| ITEM NO. | DESCRIPTION |
|---|---|
| NSNCTPH | Plastic Hinge for Collection Table |

### *Gearbox*

| ITEM NO. | DESCRIPTION |
|---|---|
| NSNCTGB | NXB Gearbox |

### *Key Pad*

| ITEM NO. | DESCRIPTION |
|---|---|
| NSNCMDKP | Key Pad for GS5 Micro Drive |

### *Speed Control*

| ITEM NO. | DESCRIPTION |
|---|---|
| NSNCTSC | Speed Control |

## Val-Co Nests

Val-Co's side belt automated nest has hinged closeout lids to restrict access and unique anti-roost guard with folded edges. Steep roof design reduces dirt and debris build-up.

Ventilated partitions allow fresh airflow. Molded plastic bottoms are contoured to fit the natural shape of the hen and are available with turf or finger pads.

*Nest pad not included and must be bought separately.*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSPSB10 | 10 Hole Side Belt Nest |
| NSPSB20 | 20 Hole Side Belt Nest |
| NSPSBA10 | Assembly Charge for 10 Hole Nest |
| NSPSBA20 | Assembly Charge for 20 Hole Nest |

### *Val-Co Nest Supplies*

*Egg Deflector*

*Nest Bottom*

*Lid Hinge*

*Lid Opener Spring*

*Lid Opener Spacer*

*Pop Rivets*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSPED | Egg Deflector |
| NSPNNB | Narrow Nest Bottom |
| NSPLH | SS Lid Hinge |
| NSPLOS | Lid Opener Spacer – ¾" x 2" |
| NSPLOSP | Lid Opener Spring |
| HRPR316L | ³⁄₁₆ Long Pop Rivet |
| HRPR316S | ³⁄₁₆ Short Pop Rivet |

### *Connector Passages*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSPCC18 | 18" Connector Channel |
| NSPCC24 | 24" Connector Channel |
| NSPCC28 | 28¾" Connector Channel |
| NSPCC48 | 48" Connector Channel |
| NSPCC96 | 96" Connector Channel |

## Idler Belt Return Assembly

*Belt Brush*

*NSPSBBBR*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSP2LBR | 2 Line Belt Return Assembly |
| NSPSBBB | Belt Brush for Val-Co Nest Return |
| NSPSBBBR | Belt Brush Retainer for Val-Co Nest Return |

## Val-Co Collection Table and Parts

Val-Co's egg collection tables are heavy steel construction – galvanized, and powder painted. All models have pinch roll drive with cast iron bearings and are designed for easy maintenance and adjustable height. Self-adjusting counterweight belt tensioners and adjustable belt tracking extends egg belt life. Large utility shelf with light fixture comes standard. Large removable debris trays provide easy cleaning.

| ITEM NO. | DESCRIPTION |
|---|---|
| NSP2LCT34 | ¾HP 2 Line Collection Table |

### Motors

| ITEM NO. | DESCRIPTION |
|---|---|
| MTPCT1290 | ½ HP Motor for Collection Table |
| MTPCT3490 | ¾ HP Motor for Collection Table |

### Gearbox

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTGB | Collection Table Gearbox (Old) |
| NSPCTGBN | Collection Table Gearbox (New) |

### Plastic Egg Diverter

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTPEDP | Plastic Egg Diverter |

### Input Oil Seal

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTOSI | Input Oil Seal |

### Output Oil Seal

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTOSO | Output Oil Seal |

### Collection Table Pad

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTTP | Collection Table Pad |

### Dirt Tray

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPSBDT | Dirt Tray |

### Drive Roller

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTDR | Drive Roller |

### Idler Roller

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTRIR | Idler Roller |

### Compression Roller Shaft

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTCS | Compression Roller Shaft |

### Idler Shaft

| ITEM NO. | DESCRIPTION |
|---|---|
| NSPCTIS | Idler Shaft |

## Belt Brush

*Belt Brush*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSPCTBB | Belt Brush |

## Compression Roller Bracket & Spring

*NSPCTPRB*

*NSPCTPRSP*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSPCTPRB | Compression Roller Bracket |
| NSPCTPRSP | Compression Roller Spring |

## Tracking Adjustment Knob

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSPCTTAK | Tracking Adjustment Knob |

## Love Joy Spider

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSPCTFCS | Love Joy Spider |

## DC Speed Control

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSPCTSC | DC Speed Control |
| NSPCTSCBD | Dart Speed Control Board (only) |

## Gather-All Collection Table Parts

### Motor

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MTPCT1290 | ½ HP Motor for Gather-All Collection Table |

### Gearbox

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSGCTGB | Gearbox |

### Compression Roller

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSGCTCR | Compression Roller |

### Compression Shaft

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSGCTCS | Compression Shaft |

## Compression Spring

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSGCTCSS | Compression Spring |

## Drive Roller

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSGCTDR | Drive Roller |

## Idler Roller

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSGCTIR | Idler Roller |

## Idler Shaft

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NSGCTIS | Idler Shaft |

# Rod Conveyor

## Double S Rod Conveyor

Pricing is per foot.



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDS16 | 16" Double S Rod Conveyor |
| RCDS18 | 18" Double S Rod Conveyor |
| RCDS20 | 20" Double S Rod Conveyor |

### Rod Conveyor Chain
Pricing is per foot.



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSCH | Rod Conveyor Chain |

### Rod



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSR16 | 16" Rod |
| RCDSR18 | 18" Rod |
| RCDSR20 | 20" Rod |

## Chain Link Connectors



*RCDSCL*      *SP40OL*

| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSCL | Connector Link w/ Pin |
| SP40CL | #40 Connector Link |
| SP40OL | #40 Off Link |

### Break



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSB | Set of Breaks for Double S Rod Conveyor |

### Motor



| ITEM NO. | DESCRIPTION |
|---|---|
| MTDSRC | Rod Conveyor Motor |

### Drive Head



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSDO16 | 16" Drive Head |
| RCDSDO18 | 18" Drive Head |
| RCDSDO20 | 20" Drive Head |

## Drive Shaft



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSSD16 | 16" Drive Shaft |
| RCDSSD18 | 18" Drive Shaft |
| RCDSSD20 | 20" Drive Shaft |

### Idler Shaft



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSSI16 | 16" Idler Shaft |
| RCDSSI18 | 18" Idler Shaft |
| RCDSSI20 | 20" Idler Shaft |

### Stand Off Shaft



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSSS16 | 16" Stand Off Shaft |
| RCDSSS18 | 18" Stand Off Shaft |
| RCDSSS20 | 20" Stand Off Shaft |

### Take Up Shafts



| ITEM NO. | DESCRIPTION |
|---|---|
| RCDSST16 | 16" Take Up Shaft |
| RCDSST18 | 18' Take Up Shaft |
| RCDSST20 | 20" Take Up Shaft |

## Egg Transfers

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCDST16 | 16" Egg Transfer |
| RCDST18 | 18" Egg Transfer |
| RCDST20 | 20" Egg Transfer |

## Motor Mounts

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCDSMM16 | 16" Motor Mount |
| RCDSMM18 | 18" Motor Mount |
| RCDSMM20 | 20" Motor Mount |

## Stand-off Braces

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCDSSB16 | 16" Stand-off Brace |
| RCDSSB18 | 18" Stand-off Brace |
| RCDSSB20 | 20" Stand-off Brace |

## SS Egg Deflector

*SS Egg Deflector*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCDSDS | SS Egg Deflector |

## Side Trim

*Side Trim*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCDSSTP6 | 6' Plastic Side Trim |
| RCDSSRC | Side Trim Clip |

## Lubing Rod Conveyor

**LUBING**

### Conveyor Chain

Pricing is per foot.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCLC20 | 20" Rod Conveyor Chain |
| RCLCL20 | 20" Connector Link |

## Rubber Finger

*Quantity discounts available*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EGRF | Rubber Finger |

## Drive Chain Tensioner

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCDSDCT | Drive Chain Tensioner |

## Idler Sprocket with Brass Bushing

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCDSSIBB | Idler Sprocket with Brass Bushing |

## Gearbox

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RCLDG87 | Gearbox for Rod Conveyor Drive |

## Belt Clip

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EGBC | Belt Clip |

# Packers

## Sanovo Packers Parts

### Hatchery Packer

The hatchery packer not only takes care of maintaining high hatchability by its careful treatment of the hatching eggs, but also of a considerable saving in labor.

The hatchery packers are robust and built in an ergonomic design, made from non-corrosive material, and can be used in a flexible way. By its integrated setter tray denester, the hatchery packer can also be placed in a small room.

The hatchery packer has a capacity of 24,000 eggs/hour on a 30-egg tray. Depending on the type of setter tray, capacities go from 20,000 eggs per hour for a straight 10 x 15 model up till 24,000 / 28,000 eggs per hour for staggered models. Stainless steel combined with hygienic design

**FEATURES**

- Near to no maintenance required
- Highest point down setting percentage: >99.8%
- Most gentle egg handling due to special rollers
- Highest finish and safety level

### Motors

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-39000352 | Transfer Arm Gearmotor |
| SKS-39000390 | Takeaway Belt Motor |
| SKS-Z304615 | Main and Infeed Motor |

*SKS-39000352*    *SKS-39000390*    *SKS-Z304615*

### VFD

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z200241 | VFD for Gearmotors |

### Power Supply

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-43000290 | Power Supply |

### Contactor

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-44000126 | 24VDC Contactor |

### Capacitors

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z200032 | 12.5UF Capacitor |
| SKS-Z200038 | 18UF Capacitor |

### Relay

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-44000070 | 8 Pin 24VDC Relay |

### Beam Sensor

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-50000358 | Beam Sensor |

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## Prox Switch



| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z204960 | Prox Switch |

## Egg Sensor



| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z200408 | Egg Sensor |

## Safety Magnetic Switch

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z200200 | Safety Magnetic Switch/6 Wire |



## Light Barrier

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z200017 | Light Barrier |



## Push Button



*SKS-Z200389*

*SKS-Z200208*  *SKS-Z200206*

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z200389 | White Push Button |
| SKS-Z200208 | Contact Block for Push Button |
| SKS-Z200206 | Mounting Base for Push Button |

## Manifold



| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z368286 | 10 Valve Block Manifold |

## Vacuum Pump Assembly & Parts



*SKS-24220070*



*SKS-24220079*

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-24220070 | Vacuum Pump Assembly |
| SKS-24220079 | Vacuum Pump Valve |
| SKS-24220080 | Vacuum Pump Valve Repair Kit |

## Suction Filter



*SKS-24200068*

*SKS-24200062*

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-24200062 | Suction Filter Housing & Filter Assembly |
| SKS-24200068 | Suction Filter |

## Egg Cup & Parts



*SKS-75107*

*SKS-75583*

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-75106 | Egg Cup Tube |
| SKS-75107 | Egg Cup Tube Support |
| SKS-75583 | Egg Cup |

## Suction Cup & Parts



*SKS-30950*

*SKS-Z334276*

*SKS-Z334275*

*SKS-Z334273*

*SKS-Z302852*

*SKS-Z305707*

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-30950 | Egg Suction Cup |
| SKS-Z334276 | 3 Port Adapter for Suction Hose |
| SKS-Z334275 | Clip for Suction Cup Tube Spring |
| SKS-Z334273 | Hose Port for Suction Cup Tube |
| SKS-Z302852 | Tube to Suction Cup Adapter |
| SKS-Z305707 | Spring for Suction Cup Tube |

## Pointer Rollers & Parts

SKS-890109

SKS-75061

SKS-Z308847,
SKS-Z306709

SKS-Z304883

SKS-75002    SKS-Z308366

SKS-52812    SKS-Z308367    SKS-75042    SKS-Z304503    SKS-Z301312

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| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-890109 | Pointer Roller Assembly |
| SKS-75061 | Hex Shaft for Pointer Rollers |
| SKS-75002 | Sleeve for Pointer Rollers |
| SKS-Z308366 | Rubber Spool End for Pointer Rollers |
| SKS-52812 | Traction Gear for Pointer Roller |
| SKS-Z308367 | Insert Spool End |

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-75042 | Spacer for Rubber Roller on Pointer Rod |
| SKS-Z308847 | 9mm Retaining Clip for Pointer Roller |
| SKS-Z306709 | 7mm Retaining Clip for Pointer Roller |
| SKS-Z304883 | SS Chain Connector for Pointer Rollers |
| SKS-Z304503 | Bushing for Pointer Rollers |
| SKS-Z301312 | Pointer Disc |

## Packing Lane Belt & Parts

SKS-75022

SKS-890151

SKS-24180002

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-890151 | Packing Lane Belt |
| SKS-75022 | Idler Wheel for Packing Lane Belt |
| SKS-75012 | Bushing for Idler Wheel on Packing Lane |
| SKS-1000103 | Nylon Rod for Belt Joint Strip (Per Ft) |
| SKS-24180002 | Joint Strip Packing Lane Belt (per foot) |

## Egg Gate Shaker Parts

SKS-Z302070

SKS-22832

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-22832 | Pivot Arm for Egg Gate Shaker |
| SKS-Z302070 | Cam for Egg Gate Shaker |

## Starwheel Parts

SKS-10843    SKS-70235    SKS-62653    SKS-62652

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-10843 | Starwheel |
| SKS-70235 | Starwheel Ratchet Star |

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-62653 | Starwheel Stop Pawl |
| SKS-62652 | Keyway for Starwheel |

## Bearings

SKS-Z303462

SKS-1857

EFOM Bearing

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z303462 | 20mm 2 Hole Flange Bearing |
| SKS-Z302075 | 20mm 2-Hole Flange EFOM Bearing |
| SKS-6002715 | 15mm 2-Hole Flange EFOM Bearing |
| SKS-1857 | Aluminum Bearing Housing |

## Sprockets

SKS-Z301690    SKS-75089

| ITEM NO. | DESCRIPTION |
|---|---|
| SKS-Z301690 | Plastic Sprocket |
| SKS-75089 | Sprocket for Friction Clutch |

## FarmPacker 24000

### *FarmPacker 24000 is built tough with a soft spot for eggs!*

Providing you with reliability and ease of mind, without worrying about maintenance and down time. The packers just keep working.

Designed with your farm environment in mind. Simple, robust, reliable and flexible. Maximum up-time, 100% correct packing, easy to maintain, all day – every day is the key to optimizing your business.

#### *FEATURES*

- Stainless steel combined with hygienic design
- Near to no maintenance required
- Highest point-setting percentage: >99,8%
- Most gentle egg handling due to special rollers
- Highest finish and safety level

*Most hatchery packer parts interchange with the 24000*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-890076 | Suction Tube Assembly |

## FarmPacker 100

### *The FarmPackers, what you see is what you get.*

Successful design is more than just shapes and great lines. It's also about sensing that the equipment is exactly right. A dynamic, robust design, with the smallest footprint, made to pack eggs in the most natural way – straight line, point down!

Thanks to their outstanding performance, proven robustness, low energy consumption and easy maintenance, the Farmpackers are your best choice day in and day out. This is why the Farmpackers are found in all corners of the world.

Every Farmpacker is created with the guiding principle that they should be easy to use, so you can focus on getting your eggs packed and spend less time figuring out how to maintain, determine replacement parts and worrying about

up time. If you've never owned a Farmpacker, chances are you will know it inside and out in no time.

The Farmpackers are designed with your farm environment in mind. Simple, robust, reliable and flexible. Maximum up-time –100% correct packing – easy to maintain.

36,000 eggs/hour (100 cases/hour)

## FarmPacker 100 Parts

### *Drop Gate Sensor*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-Z200410 | Drop Gate Sensor |
| SKS-Z200436 | Drop Gate Sensor Cable Only |
| SKS-43721 | Drop Gate Link |

*SKS-43721*

*SKS-Z200410*

### *Drop Gate Motor*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-Z201120 | Drop Gate Motor |

*SKS-Z201120*

## Egg Gates & Parts

*SKS-Z200413*

*SKS-22832*

*SKS-321144*

*SKS-321303*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-321144 | Short Egg Gate |
| SKS-321303 | Long Egg Gate |
| SKS-22832 | Pivot Arm for Egg Gate Shaker |
| SKS-Z302070 | Cam for Egg Gate Shaker |
| SKS-Z304634 | Bushing for Egg Gate Shock Forks |
| SKS-Z200413 | Egg Gate Sensor |

*SKS-Z302070*

*SKS-Z304634*

## FarmPacker 100 Parts

### Gutters
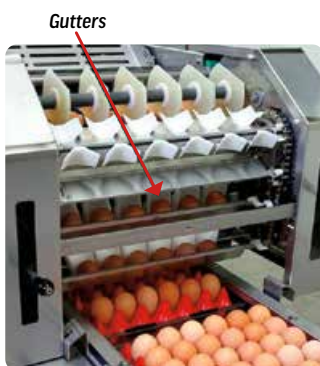
Gutters

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-58305 | Deep Gutter |
| SKS-58306 | Deep Gutter |
| SKS-58307 | Deep Gutter |
| SKS-58308 | Deep Gutter |
| SKS-62994 | Gutter |
| SKS-62995 | Gutter |

## Pointer Rollers & Parts

SKS-321255

SKS-Z308715   SKS-Z308367   SKS-Z308366   SKS-Z304503   SKS-52812   SKS-Z308824

SKS-52731

SKS-75042   SKS-Z308847, SKS-Z306709   SKS-Z304883   SKS-Z301312

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-321255 | Pointer Rollers |
| SKS-52731 | Hex Shaft for Pointer Roller |
| SKS-Z308715 | Sleeve for Pointer Rollers |
| SKS-Z308367 | Insert Spool End |
| SKS-Z308366 | Rubber Spool End f/ Pointer Rollers |
| SKS-Z304503 | Bushing for Pointer Rollers |
| SKS-52812 | Traction Gear for Pointer Roller |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-Z308824 | Internal Spring for Pointer Rods |
| SKS-75042 | Spacer for Rubber Roller on Pointer Rod |
| SKS-Z308847 | 9mm Retaining Clip for Pointer Roller |
| SKS-Z306709 | 7mm Retaining Clip for Pointer Roller |
| SKS-Z304883 | SS Chain Connector for Pointer Rollers |
| SKS-Z301312 | Pointer Disc |

## Chute Paddles & Parts

SKS-58342   SKS-Z104281   SKS-Z104200   SKS-Z102530   SKS-52878   SKS-52885

SKS-52879

SKS-52900

SKS-52880

SKS-52926   SKS-55118   SKS-58141   SKS-Z308845   SKS-Z200414

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-52815 | Chute Paddles |
| SKS-58342 | Shoulder Nut for Chute Bracket |
| SKS-Z104281 | Pan Head SS Screw |
| SKS-Z104200 | Tapered Head SS Screw |
| SKS-Z102530 | #4 Lock Nut |
| SKS-52878 | Nylon Track for Chute Paddle Chain |
| SKS-52879 | Guide for Chute Paddle Chain |
| SKS-52880 | Cam for Chute Paddle Chain |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-52885 | Chute Paddle Finger Cam |
| SKS-52900 | Chain for Chute Paddles |
| SKS-52926 | Nylon Cam for Chute Paddle Fingers |
| SKS-55118 | Right Side Finger for Chute Paddles |
| SKS-58141 | Left Side Finger for Chute Paddles |
| SKS-Z308845 | Plastic Plug |
| SKS-Z200414 | Egg Chutes Sensor |

## Paddles for Ferris Wheel

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-52808 | Paddles for Ferris Wheel |

## Plastic Sprocket

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-Z301690 | Plastic Sprocket |

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## Starwheel Parts

| SKS-10843 | SKS-70235 | SKS-62653 | SKS-62652 |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-10843 | Starwheel |
| SKS-70235 | Starwheel Ratchet Star |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-62653 | Starwheel Stop Pawl |
| SKS-62652 | Keyway for Starwheel |

## Denester Parts

| SKS-342084 | SKS-340578 | SKS-33006 | SKS-WZX120C |

Long Short
**Gripper Pins**

**SKS-9995**

**SKS-50000260**

| SKS-Z307567 | SKS-Z309344 | SKS-1857, SKS-1858 | SKS-Z301989 |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-342084 | Denester Conveyor Belt (Set of 2) |
| SKS-340578 | Denester Belt Wheel |
| SKS-33006 | Denester Gripper Trigger Cam |
| SKS-WZX120C | Black Wedge Set |
| SKS-WZX120 | Wedge Set Left & Right |
| SKS-Z329871 | Short Gripper Pin |
| SKS-Z319713 | Long Gripper Pin |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SKS-9995 | Denester Gripper Spring |
| SKS-Z307567 | Nylon Bushing for Link Arm |
| SKS-50000260 | Denester Presence Sensor |
| SKS-Z309344 | Connector Link |
| SKS-1857 | Aluminum Bearing Housing |
| SKS-1858 | Bearing Housing |
| SKS-Z301989 | Bearing 8mm x 22mm x 7mm |

## Pickers

**King Tong Picker**

**Tough Tong Picker**

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PKKT | King Tong Picker |
| PKTT | Tough Tong Picker (Long) |
| PKTTS | Tough Tong Picker (Short) |

## Food Grade Machine Oil

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EGFGAMO | Machine Oil Food Grade Aerosol Can |

## Food Grade Silicone Lube

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EGFGASL | Silicone Lube Food Grade Aerosol Can |

## Food Grade Synthetic Oil

**EGFGOS1**

**EGFGOSQ**

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EGFGOS1 | Food Grade Synthetic Oil 1 Gal |
| EGFGOSQ | Food Grade Synthetic Oil 1 Quart |

# Drinker Systems from Lubing

*Setting the Standard for Excellence and Performance*

- *360° side action trigger*
- *Exact water metering*
- *Simple design*
- *Square pipe advantage*
- *LitterGard Cups*
- *Trouble-free performance*
- *Simple & quick assembly*

Big Dutchman

LUBING

# Hog Watering

## Water Nipples

### Standard Piglet Nipple

- All stainless
- ½" thread x ⅜" body
- For piglets



*HGWN03*

### Standard Finisher Nipple

- All stainless
- ½" thread
- For sows and finishers



*HGWN05*

### OptiFlo Finisher Nipple

- All stainless
- ½" thread
- Length: 3 inches
- For finishers



*HGWN05OF*

### OptiFlo Piglet Nipple

- All stainless
- ½" thread
- Length: 2.5 inches
- For piglets up to 77 lbs.



*HGWN05OP*

### ½" Wet Feed Nipple (Female)

- All stainless steel
- ½" female threads
- Thick washer eliminates need for pipe tape
- Thin pin
- For piglets through finishers



*HGWN05WFF*

### ½" Wet Feed Nipple (Male)

- All stainless steel
- ½" threads
- Thick pin designed to prevent spring stress
- Specially designed spring to reduce breakage
- For finishers, fatteners, sows



*HGWN05WFM*

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWN03 | Standard Piglet Nipple |
| HGWN05 | Standard Finisher Nipple |
| HGWN05OF | OptiFlo Finisher Nipple |
| HGWN05OP | OptiFlo Piglet Nipple |
| HGWN05OS | ½" Sow & Boar Nipple |
| HGWN05WFF | ½" Wet Feed Nipple (Female) |
| HGWN05WFM | ½" Wet Feed Nipple (Male) |

## Replacement Parts for Water Nipples



*HGWN05PO*



*HGWN05RKM*

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWN05PO | Pin O-Ring for Hog Nipple |
| HGWN05POV | Pin O-Ring Viton for Hog Nipple |
| HGWN05RKM | Rebuild Kit for ½" Hog Nipple |

## Water Pipe & Fittings



*HGWPSN0536*



*HGWPSC05*

*HGWPS*

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWPS | Pipe for Hog Swing Water Kit |
| HGWPSN0536 | ½" x 36" SS Nipple Pipe Extension |
| HGWPSC05 | ½" SS Pipe Coupler |

## Fittings



*HGWA02T02I*   *HGWA02T02IS*   *HGWA05T02I*



*HGWA05TN*   *HGWA05W*

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWA02T02I | ¼" FPT x ¼" I Nylon Adapter (2-Piece) |
| HGWA02T02IS | ¼" FPT x ¼" I SS Adapter (2-Piece) |
| HGWA05T02I | ½" FPT x ¼" SS Barb Adapter Assembly |
| HGWA05TN | ½" FPT Nylon Nut |
| HGWA05W | ½" Adapter Washer |

## Fence Bracket

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWPFAB | SS Water Pipe Fence Bracket |

## Stainless Steel Nursery Bowl

### FEATURES

- All stainless steel
- For piglets up to 77 lbs (35 kgs)
- 5" Width x 7.5" Height x 3.5" Depth
- Factory assembled reduces field time labor
- Less water wastage, because water collects at the right side of the cup

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWBN | Stainless Steel Nursery Bowl |

## Fence Plate

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWPFBPO | SS Back Fence Plate |

## Stainless Steel Finisher Bowl

### FEATURES

- All stainless steel
- For finishers, fatteners up to 250 lbs, (110 kgs)
- 7.75" Width x 11.25" Height x 5" Depth
- Factory assembled reduces field time labor
- Less water wastage, because water collects at the right side of the cup

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWBF | Stainless Steel Finisher Bowl |

## Replacement Parts for Hog Waterers

MIRACO Livestock Water Systems

*HGWO24DPB*    *HGWO2OFA*

*HGWO24FA*    *HGWO2VA*

*HGWO4VA*

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWO24DPB | Drain Plug w/ Bolt for 2 & 4 Hole |
| HGWO24FA | Float Assembly for 2 & 4 Hole |
| HGWO2IFA | Inside Fill Assembly (2 Hole) |
| HGWO2OFA | Outer Fill Assembly (2 Hole) |
| HGWO2VA | Valve Assembly (2 Hole) |
| HGWO4VA | Valve Assembly (4 Hole) |

## Inline Saddle with Shutoff

| ITEM NO. | DESCRIPTION |
|---|---|
| HGWISSO | Inline Saddle w/ Shutoff |
| HGWISSOW | Washer |

## Hog Waterers

MIRACO Livestock Water Systems

*2 Hole*

*4 Hole*

### FEATURES

- Patented underside lid seal for energy-free watering
- Easy to access valve area
- Low drinking height profile for small hogs
- Large 10" openings for market hogs and sows
- Seamless sidewall construction
- Stainless steel anchors & bolts included
- Drain holes with rubber plugs for easy cleaning

| ITEM NO. | DESCRIPTION | CAPACITY | GALLONS | SPECS | DIMENSIONS |
|---|---|---|---|---|---|
| HGWOH2 | 2 Hole Waterer | 100 head market hogs, 50 head sows | 6 | Two lift-up lids/10" openings | 34" x 19" x 16" tall |
| HGWOH4 | 4 Hole Waterer | 200 head market hogs, 100 head sows | 15 | Four lift-up lids/10" openings | 34" x 36.5" x 16" tall |

# Poultry Watering

## VAL-CO® now manufactures a more complete line of drinkers!

Added options allow you to select the drinker that best fits your needs. Each drinker provides fresh, clean water.

### FEATURES INCLUDE

- Locking Saddle – helps keep the drinker securely in place; allows for optional use of cups.
- Wide Variety of Drinkers – multiple choices, no wrong answers.
- Folding or Flexible Standpipes – to prevent breakage when raising water lines.
- Improved Extra High Flow Regulator – for more water flow.
- Regulator Intake – for even easier line flushing.

*Looking for a complete system?*
*Call one of our salesmen today for a quote!*

## Regulators

### Floor Regulators

Designed for floor birds

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTVR202P | Regulator Kit f/ Conduit |
| WTVR202AE | Regulator Kit f/ Aluminum Extrusion |

### Mid-Line Regulators

Designed to attach to the middle of larger house watering lines.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTVR203P | Mid-Line Regulator f/ Conduit |
| WTVR203AE | Mid-Line Regulator f/ Extrusion |

### Slope Regulator

- Designed for use in barns with downward sloping lines.
- Comes with 24" flex standpipe
- 4-6" maximum slope per regulator
- Use only when column height of end assembly is 6" or higher than that of the supply regulator

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTVSR | Slope Regulator |

### High Pressure Regulator

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTVR030 | High Pressure Regulator |

### Cage Regulator

Designed for use in cage systems.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTVR201 | Cage Regulator |

### Maintenance Tips for Val-Co Watering Systems

- Your Val-Co watering system should be cleaned every 4 months (or every month in warmer weather) during production.
- It should also be cleaned between every flock. You may use a stronger solution since no birds will be drinking any water. It is vital to thoroughly flush the lines with plain water to prevent storing high levels of cleaning solutions in the lines until the next flock arrives.
- Don't know which cleaning agent to use? Call and one of our parts salesmen will help you choose the one that best fits your needs!

## Val-Co Regulator Parts Breakdown

| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|----------|-------------|-------------------|
| WTVFRC | Riser Cap | 1 |
| WTVFRCS | Flex Riser Cap Seal | 2 |
| WTVFRCB | Cap Body for Flex Riser Tube | 3 |
| WTVSFBS | Small Blue Float Ball | 4 |
| WTVSS24 | Standpipe Spring 24"/30" | 5 |
| WTVRSO | Riser Shut Off | 6 |
| WTVCOR | Pipe Coupler O-ring | 7 |
| WTVRFTC | Top Cap for Floor Regulator | 8 |
| WTVRDB | Diaphragm Bolt | 9 |
| WTVRD | Diaphragm | 10 |
| WTVRDV | Viton Diaphragm | 10 |
| WTVRDP | Diaphragm Plate | 11 |
| WTVRDN | Diaphragm Nut | 12 |
| WTVRSP | Spring | 13 |
| WTVRAB | Adjustment Bolt | 14 |
| WTVRAC | Adjustment Collar | 15 |
| WTVRAK | Adjustment Knob | 16 |
| WTVRPAB | Brackets for Pivot Arm | 17 |
| WTVRPA | Pivot Arm | 18 |
| WTVRDS | Disc Seal | 19 |
| WTVRHC | Hanger Clamp | 20 |
| WTVRHCS | Screw for Hanger Clamp | 21 |
| WTVRHTAE | Extrusion Hanger Tabs | 22 |
| WTVRSOR | Rigid Riser Tube Shut Off | 23 |
| WTVRIFV | Intake Flush Valve | * |
| WTVIFH | Intake Housing for Flush Valve | 24 |
| WTVIORL | Large O Ring for Intake Flush Valve | 25 |
| WTVIORS | Small O Ring for Intake Flush Valve | 26 |
| WTVITC | Threaded Cap for Intake Flush Valve | 27 |
| WTVITH | Turn Handle for Intake Flush Valve | 28 |
| WTVSFBL | Large Blue Float Ball | 29 |
| WTVRRCB | Cap Body for Rigid Riser Tube | 30 |
| WTVRRS | Seal for Rigid Riser Cap | 31 |
| WTVRRC | Cap for Rigid Riser Tube | 32 |
| WTVRHS | SS Regulator Housing Screw | *<br>** |
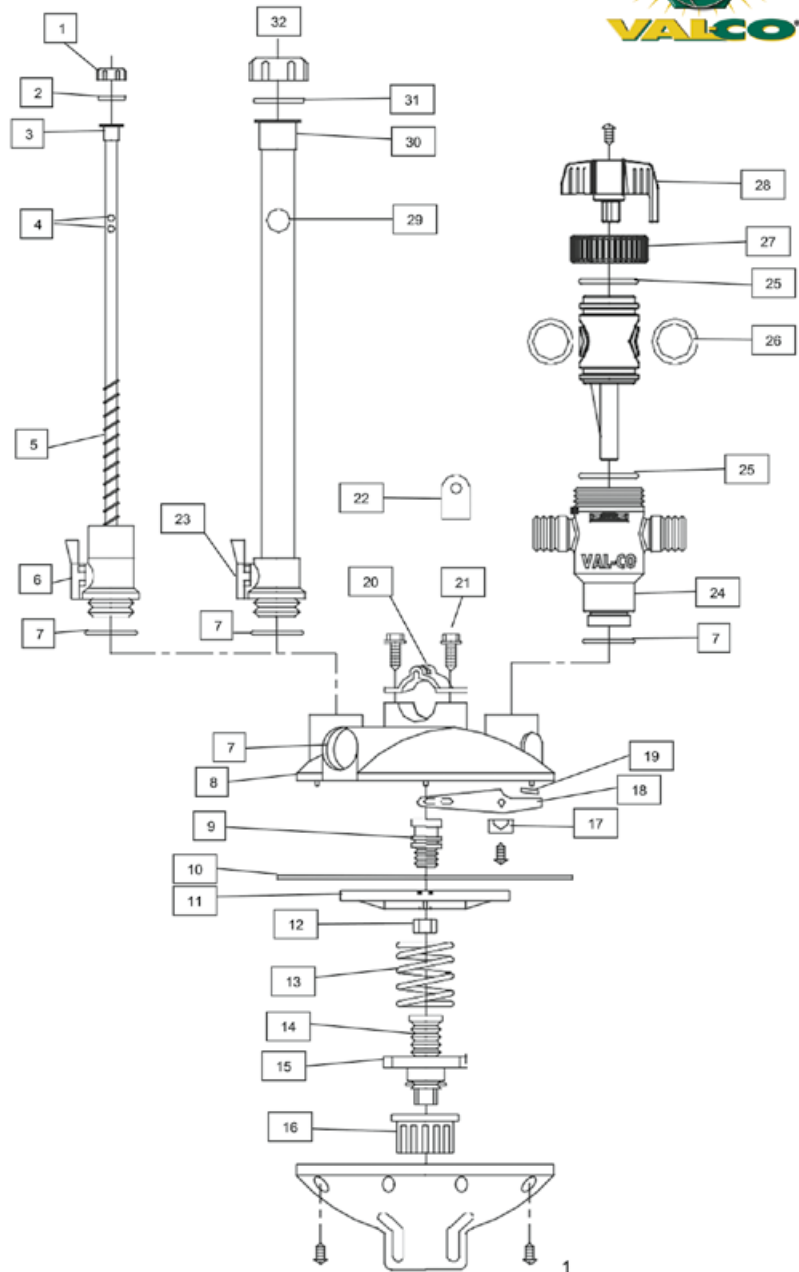
*Not labeled on diagram.
**This part, WTVRHS, is the complete assembly of numbers 24-28.
EZ Flush Intake makes water line flushing easy and clean. With ¾"
hose and openings, the EZ Flush Intake can clear larger debris from
your pipe. The VAL-CO EZ Flush Intake works with all of our standard
diaphragm regulators. An optional solenoid enables automatic flushing.

## Val-Co Regulator Parts

1 WTVFRC

2 WTVFRCS

3 WTVFRCB

4 WTVSFBS

6 WTVRSO

7 WTVCOR

8 WTVRFTC

9 WTVRDB

10 WTVRDV

11 WTVRDP

13 WTVRSP

14 WTVRAB

15 WTVRAC

16 WTVRAK

17 WTVRPAB

18 WTVRPA

19 WTVRDS

20 WTVRHC

22 WTVRHTAE

23 WTVRSOR

24 WTVIFH

27 WTVITC

28 WTVITH

30 WTVRRCB
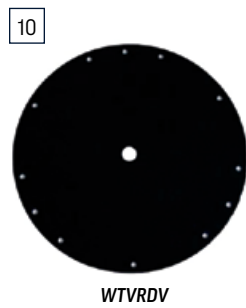
## Nipple Pipe



| ITEM NO. | DESCRIPTION |
|---|---|
| WTVP1006 | 10' x 6" Spacing |
| WTVP1008 | 10' x 8" Spacing |
| WTVP1010 | 10' x 10" Spacing |
| WTVP1012 | 10' x 12" Spacing |
| WTVP1015 | 10' x 15" Spacing |
| WTVP1020 | 10' x 20" Spacing |
| WTVP1024 | 10' x 24" Spacing |
| WTVPSG24 | 24" Spacing Start Grow Pipe Only |
| WTVP1030 | 10' x 30" Spacing (Cage Systems) |

### Replacement Parts for Nipple Pipe

WTVPC

WTVNPS

WTVCNP

WTVSGBS

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVNPS | 45° Glue-in Saddle |
| WTVNSAD | 90° Glue-in Saddle |
| WTVPC | Pipe Clip for Cage Systems |
| WTVSGBS | Barbed Saddle for Start Grow Pipe |
| WTVCNP | Pipe Coupler |
| WTVCORO | Old Style O-Ring for Pipe Coupler |

## Parts for Start Grow Pipe

WTVCH

WTVSGB

WTVSGBE

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVCH | Cord Hook for Start Grow Adjustable Rope |
| WTVSGB | Nipple Bracket |
| WTVSGBE | Extended Start Grow Bracket |

## Water Nipples

*Bulk discounts available for orders of 500, 1000, and 2000.*

### Broiler-Layer Nipples

Designed for smaller birds. Made of the same high quality stainless steel material.

| ITEM NO. | DESCRIPTION | FLOW RATE (at 24") | |
|---|---|---|---|
| | | Vertical Action | Side Action |
| WTVB150 | Broiler-Layer Nipple (Yellow Pin) | 55.6 ml/min. | 27.9 ml/min. |

### Breeder Nipples

The breeder drinkers use up-action only to reduce wear caused by adults birds. It's designed especially for the breeder market so has a high resistance to wear. Available in low flow and standard flow options

| ITEM NO. | DESCRIPTION | FLOW RATE (at 24") | |
|---|---|---|---|
| | | Vertical Action | Side Action |
| WTVBRN | Breeder Nipple (Black Pin) | 42.8 ml/min | 21.5 ml/min. |
| WTVBRNUH | Breeder-Up Action High Flow (Blue Pin) | 76.15 ml/min. | ---- |
| WTVBRNUL | Breeder-Up Action Low Flow (Gray Pin) | 41.88 ml/min. | ---- |

### Quencher Nipple

The Quenchers are designed to the same tolerances as the Roasters, but made with more cost effective materials, giving you the same great performance at a more economic price.

| ITEM NO. | DESCRIPTION | FLOW RATE (at 24") | |
|---|---|---|---|
| | | Vertical Action | Side Action |
| WTVQ150HPFA | Quencher PFA Nipple (Gray Pin) | 50 ml/min. | 42 ml/min. |

## Roaster Nipples

The Roasters are all machined on CNC or Swiss Screw Machines out of a harder stainless steel material than the Quencher models. The Roasters have a bigger trigger pin that resists wear and holds 300% more water than the broiler drinker.

| ITEM NO. | DESCRIPTION | FLOW RATE (at 24") | |
|---|---|---|---|
| | | Vertical Action | Side Action |
| WTVR150PFA | PFA Roaster Nipple (Yellow Pin) | 61.5 ml/min. | 34.3 ml/min. |
| WTVR150PFAL | PFA Low Flow Roaster Nipple (Gray Pin) | 48 ml/min. | 32 ml/min. |

## Duck Nipple

The Duck Drinker is made of premium stainless steel material. The high-flow drinker has higher flow rates to meet the specific needs of waterfowl breeds.

| ITEM NO. | DESCRIPTION | FLOW RATE (at 24") | |
|---|---|---|---|
| | | Vertical Action | Side Action |
| WTVR150PFAD | PFA Duck Nipple (Extra High Flow) | 215 ml/min. | ---- |

## Val-Co to CT Nipple Adapter

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVNACT | Nipple Adapter Val-Co to ChoreTime |

## Replacement Parts for Water Nipples



*WTVNLP*  *WTVNOR*  *WTVNPBA*  *WTVNS*  *WTVD150*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVNLP | Lock Pin for Breeder Nipple |
| WTVNOR | O-Ring |
| WTVNORL | Large O-Ring |
| WTVNPBA | Nipple Pipe to Barb Adaptor |
| WTVNS | Breeder Nipple Shield |
| WTVD150 | Dummy Nipple Plug |

## Nipple Wrench

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVNWT | Nipple Wrench |

## Aluminum Extrusion & Pipe
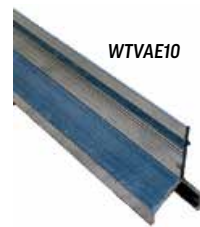
*WTVAE10*  *WTVAEC*  *PEMT1S*  *WTVCC*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVAE10 | 10' Aluminum Extrusion |
| WTVAEC | Aluminum Extrusion Connector |
| PEMT1S | 1.163 EMT Swaged Conduit |
| WTVCC | Conduit Coupler for 1.163" Pipe |

## Hanger Clips

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVHC | Hanger Clip for Aluminum Extrusion |
| WTV2HCAE | 2" Hanger Clip for Aluminum Extrusion |
| WTVAEPC | Pipe Clip for Aluminum Extrusion |
| WTVBREHB | Breeder Drinker Hanger Bracket |
| WTVBREHBC | Breeder Hanger Bracket Clip |
| WTVBREHBK07 | ¾" Breeder Hanger Bracket Kit *Kit includes hanger bracket & hanger bracket clip.* |
| WTVSB | S Bracket Hanger Kit *Kit includes S bracket and 2 hanger clips.* |
| WTVHBC | S Bracket Hanger Clip |

## Water Line End Kit



*WTVELAHB*    *WTVERA*    *WTV34GHA*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVELAHB | Aluminum Holding Bracket (Old Style) |
| WTVERA | End Riser Adapter |
| WTV34GHA | ¾" Slip x Garden Hose Adapter |
| WTVERAK | End Riser Adaptor Kit<br>*Kit includes aluminum holding bracket, end riser adapter, 3/4" PVC ball valve, & 3/4" slip x garden hose adapter.* |

## Riser Tubes

Rigid, flex, or folding standpipes allow you to choose the best for your farm.

All standpipes now come with the TruSeal™ Standpipe Cap! The TruSeal is able to "breathe" air, but not leak water. The new cap can inhale or exhale the required amount of air as the pressure in the drinker line changes, but seals against water when the drinker lines are flushed, helping prevent messy water spills.

*Riser Tubes*

### Flexible

*WTVFRB*    *WTVAR24F*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVFSPA18 | 18" Rigid Folding Standpipe Assembly |
| WTVR18 | 18" Flexible Riser Tube Only |
| WTVRTA24F | 24" Flexible Riser Tube Assembly |
| WTVR | 24" Flexible Riser Tube Only |
| WTVSS24 | Standpipe Spring 24"/30" |
| WTVFRB | Val-Co Flexible Riser Truseal Breather |
| WTVAR24F | Air Release – Comes w/ 24" Flex Standpipe |

### Rigid

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVSP12RK | 12" Rigid Stand Pipe Assembly |
| WTVSP24RK | 24" Rigid Stand Pipe Assembly |
| WTVFSPA24 | 24" Rigid Folding Standpipe Assembly |
| WTVRRB | Val-Co Rigid Riser Truseal Breather |

## Drip Cup
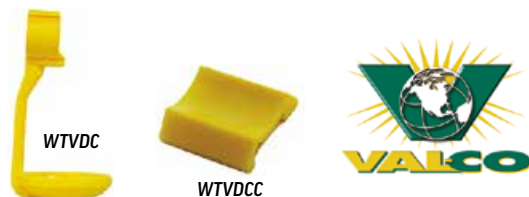


*WTVDC*    *WTVDCC*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVDC | Drip Cup |
| WTVDCC | Drip Cup Clip |

## Anti-Roost Parts

*FDSWI*    *WTVSC*    *WTVSCS*

| ITEM NO. | DESCRIPTION |
|---|---|
| FDSWI | Shocker Wire Insulator & Clamp |
| WTVSC | Shocker Cable Clamp |
| WTVSCS | Shocker Clamp Screw |

## Old Style Replacement Parts for Regulator

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVIA05 | Old Style Flush Valve Intake |
| WTVRDSO | Old Style Regulator Disc Seal |

*WTVIA05*

## Val-Co to Ziggity Adapter Parts

*WTVR150ZS*    *WTVZTA*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVR150ZS | Val-Co Replacement Nipple for Ziggity ShortCap |
| WTVZTA | Val-Co/Ziggity T Lock Adapter |

## Intake Hose

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVIH38 | ⅜" Intake Hose* |

*Hose price is per foot

## Regulator Feed Hoses

Hoses come with a heavy-duty brass FGH fitting on each end.

| ITEM NO. | DESCRIPTION | ITEM NO. | DESCRIPTION |
|---|---|---|---|
| RFH1205 | ½" x 5' | RFH1209 | ½" x 9' |
| RFH1206 | ½" x 6' | RFH1210 | ½" x 10' |
| RFH1207 | ½" x 7' | RFH1211 | ½" x 11' |
| RFH1208 | ½" x 8' | RFH1213 | ½" x 13' |

# Lubing

**LUBING**

*Looking for a complete system?*
*Call one of our salesmen today for a quote!*



*System Overview*
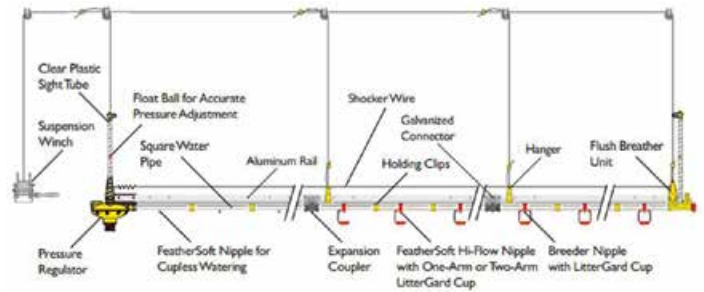


## Regulators



*Regulator*

*Top Housing*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLRO | Regulator |
| WTLRTH | Top Housing |

## Parts for Lubing Regulator



*Barb Adapter*

*Diaphragm Bolt*

*Flush Adjustment Mechanism*

*Flush Adjustment Wing*

*Flush Bordering*

*Large Hanger Bracket*

*Cage Mount Bracket*

*Round Pipe Adapter*

*Diaphragm Plate*

*Diaphragm*

*Pivot Arm*

*Pivot Arm Bracket*

*Pressure Spring*

*22mm Adapter*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLRBA12 | ½" Barb Adapter |
| WTLRAN | Adjustment Nut |
| WTLRD | Diaphragm |
| WTLRDB | Diaphragm Bolt |
| WTLRDN | Diaphragm Nut |
| WTLRDP | Diaphragm Plate |
| WTLRFAM | Flush Adjustment Mechanism |
| WTLRFAW | Flush Adjustment Wing |
| WTLRFB | Flush Bordering |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLRHBL | Large Hanger Bracket |
| WTLRRPA | Round Pipe Adapter |
| WTLRBC | Mount Bracket for Cage |
| WTLRHBS | Small Hanger Bracket |
| WTLRHN | Holder Nut |
| WTLRHS | Screws for Regulator Housing |
| WTLRPA | Pivot Arm |
| WTLRPAB | Pivot Arm Bracket |
| WTLRPO | Outlet Plug |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLRPS | Pressure Spring |
| WTLRSA22 | 22mm Adapter |
| WTLTRSA28 | 28mm Adapter |
| WTLRSAOR | O-ring for 22mm/28mm Adapter |

## Drinker Kits

### KIT INCLUDES

- 10' long, square, PVC Pipe
- Nipples with or without drinker cup
- Rubber coupler with SS crimp rings
- 10' aluminum support rail
- 4 plastic holding clips
- Galvanized connectors, 4 nuts, & 4 bolts
- 5 hangers

**LUBING**

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLDK08BC | 8" Spacing with Cups (Breeder) |
| WTLDK10BC | 10" Spacing with Cups (Breeder) |
| WTLDK24RS | 24" Spacing with Red Sleeves (Rooster) |
| WTLDK30RS | 30" Spacing with Red Sleeves (Rooster) |
| WTLTFDK30 | 30" Spacing (Turkey) |

## Water Nipples

**LUBING**

*WTLNBR*    *WTLNLO*    *WTLNP*

*WTLNB*    *WTLNR*    *WTLNRS*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLNBR | Broiler Nipple (Red) |
| WTLNLO | Layer Nipple (Orange) |
| WTLNB | Breeder Nipple |
| WTLNR | Rooster Nipple |
| WTLNT | Turkey Nipple (Tom) |
| WTLNP | Nipple Plug |
| WTLNRS | Red Sleeve for Nipple |

## Hanger Brackets

**LUBING**

*WTLHBB*    *WTLTHB*    *WTLHBC22*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLHBB | Hanger Bracket-Breeder |
| WTLTHB | Hanger Bracket-Turkey |
| WTLHBC22 | Conduit Hanger Bracket |

## Water Line Parts – Breeder

**LUBING**

*Rubber Coupler*    *Crimp Ring*    *Drinker Cup*    *Square/Round Adapter*

*Pipe Support Clip*    *Square/Square Adapter*    *28mm x ¾" Square/Round Adapter*

### 22 mm

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLCR22 | Rubber Coupler with Rings |
| WTLCRCR22 | Crimp Ring for Rubber Coupler |
| WTLDC22 | Drinker Cup |
| WTLSRA2234 | 22mm x ¾" Square/Round Adapter |
| WTLPSC22 | Pipe Support Clip |
| WTLSSA2228 | 22mm x 28mm Square/Square Adapter |

### 28 mm

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLTRC28 | Rubber Coupler with Rings |
| WTLTRCCR28 | Crimp Ring for Rubber Coupler |
| WTLTSRA2834 | 28mm x ¾" Square/Round Adapter |
| WTLTPSC28 | Pipe Support Clip |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLASRC | Connector for Support Rail |
| WTLAW12 | ½" Adapter Washer |

## Water Line Parts – Turkey

**LUBING**

*Connector Rail*    *Starter Ball*

*Pendulum Holder*    *Tom Finishing Cup*    *Pendulum*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTLTASRC | Connector for Support Rail |
| WTLTBS | Starter Ball |
| WTLTDP | Pendulum |
| WTLTDPH | Pendulum Holder |
| WTLTFCT | Tom Finishing Cup |

## End Assemblies & Parts

**LUBING**



½" Adapter
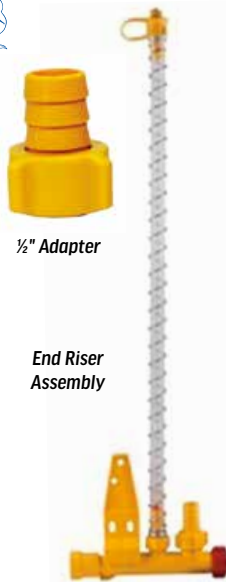
¾" Washer for
End Assembly
Adapter

End Riser
Assembly

Cap

| ITEM NO. | DESCRIPTION |
|---|---|
| WTLERA22 | Lubing 22mm 24" End Riser Assembly |
| WTLTERA28 | Lubing 28mm 24" End Riser Assy |
| WTLAW34 | ¾" Washer for End Assembly Adapter |
| WTLERABA | ½" Barb Adapter |
| WTLERAC | Cap |

## Biddie Drinker

The Biddie Drinker is an economical and reliable waterer for starting poults and chicks. They are easy to clean and are made of corrosion-free plastic. This waterer has an adjustable water level and the float valve allows each drinker to shut off independently. The valve snaps out for easy maintenance.



| ITEM NO. | DESCRIPTION |
|---|---|
| WTCBD | Cyclone Biddie Drinker |

## Riser Tubes & Parts

**LUBING**



Breather Cap

Float Ball

24" Riser
Assembly

| ITEM NO. | DESCRIPTION |
|---|---|
| WTLRTU24 | 24" Riser Tube |
| WTLRCB | Cleaner Brush |
| WTLRTBC | Breather Cap |
| WTLSFB | Float Ball |

## Monoflo Regulator

Designed for simple, one-step reduction of water pressure. It provides a constant, even flow of water under a wide range of inlet pressure fluctuations and incorporates a check valve to prevent back flow.

### SPECIFICATIONS:

- ¾" NPT Outlet, ½" Inlet
- Adjustable from 2½ to 14 lbs.
- Assembled with stainless steel screws
- Maximum Pressure: 50 PSI



| ITEM NO. | DESCRIPTION |
|---|---|
| WTMR214 | MonofloRegulator |

## Rope Adjuster

**LUBING**



| ITEM NO. | DESCRIPTION |
|---|---|
| WTLAR | Rope Adjuster |

## Crimping Tool **LUBING**



| ITEM NO. | DESCRIPTION |
|---|---|
| WTLPCT | Crimp Tool for Pipe Coupler |

## Flush Line Hose



| ITEM NO. | DESCRIPTION |
|---|---|
| WTFLH | ⅝" x ⅞" Clear Flush Line Hose |

## Plasson

Made of a rugged high-impact plastic. The unique ballast bottle, independent of the bell, eliminates wear on the valve mechanism. Water your flocks from day old to adult birds. Ensures a constant water level and a dry floor

### EACH DRINKER COMES WITH

- 10' supply hose
- (2) ¼" barb adapters
- 10' nylon rope

## Bell Drinkers

*WTPBRD*

- Number of drinkers per 1,000 birds: 8-10
- Circumference of outer lip: 106 cm.

*WTPDBT*

- Number of drinkers per 1,000 adult turkeys: 10-12
- Circumference of outer lip: 140 cm.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTPBRD | Breeder Drinker |
| WTPDBT | Turkey Drinker |

## Bell Drinker Parts Breakdown

**PLASSON®**
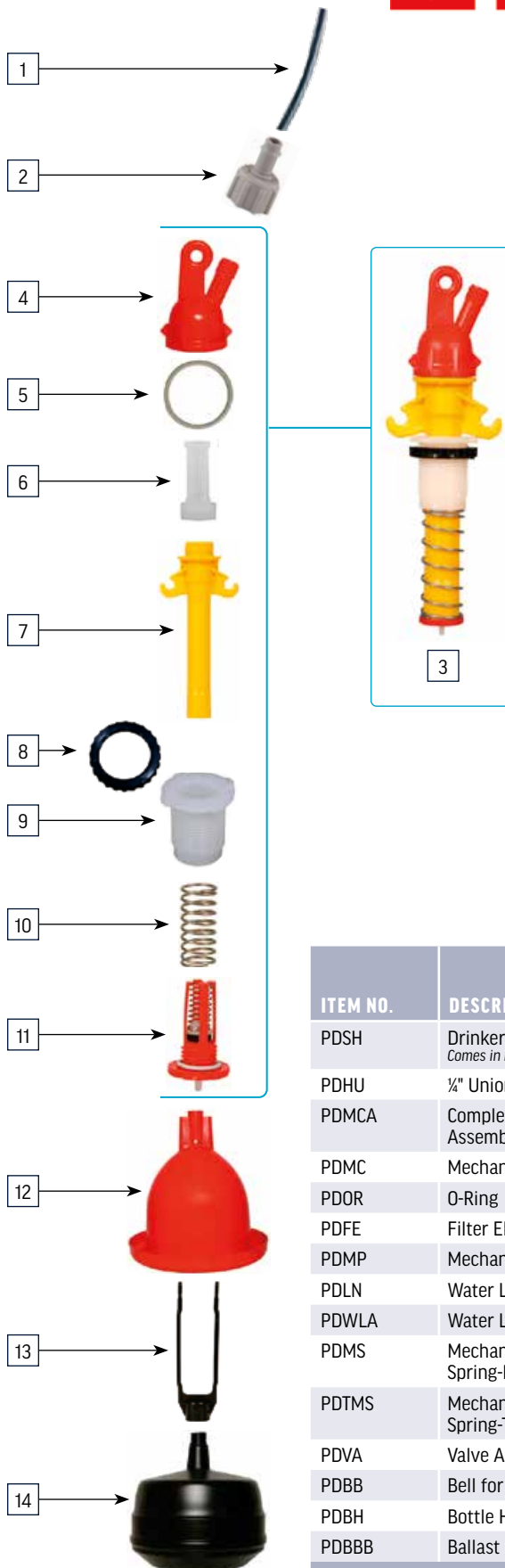
| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|----------|-------------|-------------------|
| PDSH | Drinker Supply Hose *Comes in rolls of 100'* | 1 |
| PDHU | ¼" Union | 2 |
| PDMCA | Complete Mechanism Assembly | 3 |
| PDMC | Mechanism Cap | 4 |
| PDOR | O-Ring | 5 |
| PDFE | Filter Element | 6 |
| PDMP | Mechanism Pipe | 7 |
| PDLN | Water Level Lock Nut | 8 |
| PDWLA | Water Level Adjuster | 9 |
| PDMS | Mechanism Spring-Breeder | 10 |
| PDTMS | Mechanism Spring-Turkey | 10 |
| PDVA | Valve Assembly | 11 |
| PDBB | Bell for Breeder Drinker | 12 |
| PDBH | Bottle Hanger | 13 |
| PDBBB | Ballast Bottle | 14 |

# Medicators

## e128

A true 11 GPM electric medicator - the Etatron e128 Medicator is the perfect answer for both your medicating and water treatment needs. This electric pump's operation is NOT affected by water quality and is simple to use, highly reliable, and compact in size.

### E128 PUMP FEATURES

- Fixed at 1:128
- Shutdown control if suction or discharge interruption
- One piece diaphragm
- No squeeze tubes
- Superior diaphragm technology
- Not affected by water quality
- Automatically compensates injection for variations in flow

- Self priming, the pump head is equipped with a manual air bleed for fast priming
- PVDF solenoid head for enhanced chemical resistance
- Plugs into a standard 120V outlet
- Works with 1 pulse per gallon or 1 pulse per 10 gallon water meters

### SPECS

- Flow – 0.26 GPH (1 LPH)
- Max Pressure – 145 PSI (10 BAR)
- Stroke Output (ML) – 0.09 at 145 PSI (10 BAR)
- Max Pulses Per Min. – 180
- Mount Type – Wall Mount
- Voltage – 120V

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPE1M | Etatron E-128 Medicator Pump |

## e128 Parts & Accessories

*WTEPE1TD*

*WTEPE1D*

*WTEPE1TS*

*WTEPE1MHK*

*WTEPE1MPH*

*WTEPE1FF*

*WTEPE1NFK*

*WTEPE1IV*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPE1MPH | Pump Head |
| WTEPE1D | Diaphragm |
| WTEPE1MHK | Hose Kit |
| WTEPE1NFK | Nut & Ferrule Kit |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPE1TD | Discharge Tube * |
| WTEPE1TS | Suction Tube * |
| WTEPE1FF | Foot Filter |
| WTEPE1IV | Injection Valve |

*Tubing price is per foot
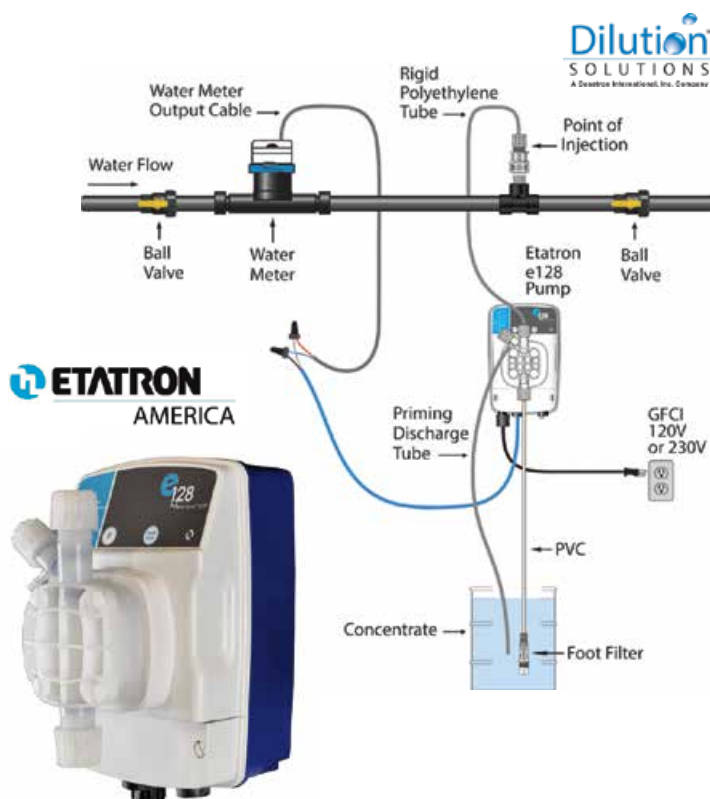
## eOne Basic Pump

### FEATURES

- PVDF Pump Head
- PTFE (Teflon®) Diaphragm
- TFE/P (Aflas®) Seals
- Ceramic Ball Valves
- Flow Rate – 1.32 GPH (5 LPH) at 101 PSI (7 BAR)
- 180 Strokes per Minute

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPEOB | eOne Basic Pump |

## ePC Pulse Control

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPEPC | Etatron ePC Pulse Control |

## eMP

A safe and adequate water supply is fundamental to the production of healthy animals, making a water treatment plan essential. The Etatron eMP pump is the perfect answer for your water treatment, it is simple to use, highly reliable, and compact in size. Automatically adjusts injection speed to the water flow for proportional delivery.

### EMP PUMP FEATURES

- Dual scale dial for easy stroke adjustment
- Operates with 1 pulse per 1 gallon or 1 pulse per 10 gallon water meter
- Superior diaphragm technology
- No squeeze tubes that can break
- PVDF solenoid head for enhanced chemical resistance

- IP65 acid resistance housing
- Self priming, the pump head is equipped with a manual air
- bleed for fast priming
- Turns off automatically when the chemical container is empty
- Pump will turn OFF if pressure exceeds 145 PSI

### SPECS

- Flow – 0.26 GPH (1 LPH)
- Max Pressure – 145 PSI (10 BAR)
- Stroke Output (ML) – 0.09 at 145 PSI (10 BAR)

- Max Pulses Per Min. – 180
- Mount Type – Wall Mount
- Voltage – 120V

| ITEM NO. | DESCRIPTION |
|---|---|
| WTEPEMP | Etatron eMP Pump |
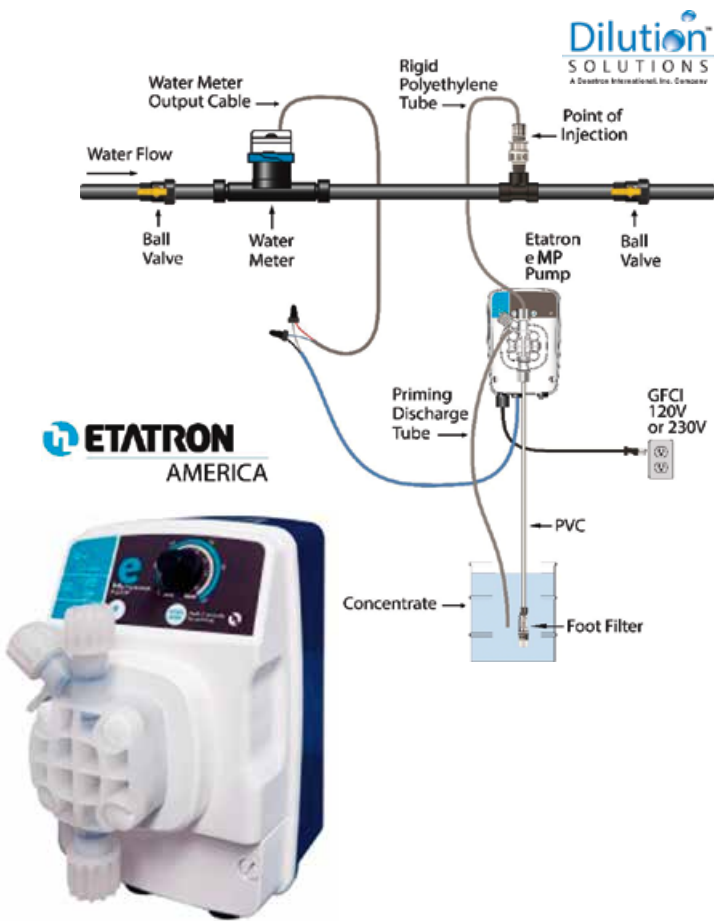
## eMP Parts & Accessories

*WTEPPKTD*

*WTEPEOSH*

*WTEMPNFK*

*WTEPEOPHK*

*WTEPPKTS*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTEPEOSH | Pump Head |
| WTEMPNFK | Nut & Ferrule Kit |
| WTEPEOPHK | Hose Kit |
| WTEPPKTD | Discharge Tube * |

| ITEM NO. | DESCRIPTION |
|---|---|
| WTEPPKTS | Suction Tube * |
| WTEPE1FF | Foot Filter |
| WTEPE1IV | Injection Valve |

*Tubing price is per foot

*WTEPE1FF*

*WTEPE1IV*

## PKX FT/A

The PKX dosing pump is compact and can be wall-mounted or foot-mounted. The PKX Series solenoid metering pumps are simple to use, highly reliable, and provide compact dimensions. The FT/A is an analog metering pump with manual flow control from 0 to 100%. It has two operating modes controlled by a reed switch water meter:

**Volumetric Proportional Mode** – 1:1 (1 injection per 1 signal) as indicated by F Mode

**Volumetric Timer Mode** – 0 to 60 seconds of metering per signal as indicated by T Mode

### PKX PUMP FEATURES

- Manual air bleed pump head for fast priming
- Max 120 impulses per minute
- 6.5 ft. suction height
- 120 or 230 V - 50/60 Hz
- Long lasting unique one piece PTFE diaphragm design
- Includes both wall or foot mounting options
- Flashing LED to indicate pump is working
- Compact design
- Adjustable from 0 to 100%

- IP65 acid resistant housing
- Polypropylene housingPump Head: PP (Polypropylene)
- Diaphragm: PTFE (Teflon®)
- Seals: FPM (Viton®) or EPDM (Dutral®)
- Valves Duck Bill: FPM (Viton®) or EPDM (Dutral®)
- Discharge Tubing: PE (Polyethylene)
- Suction Tubing: PVC
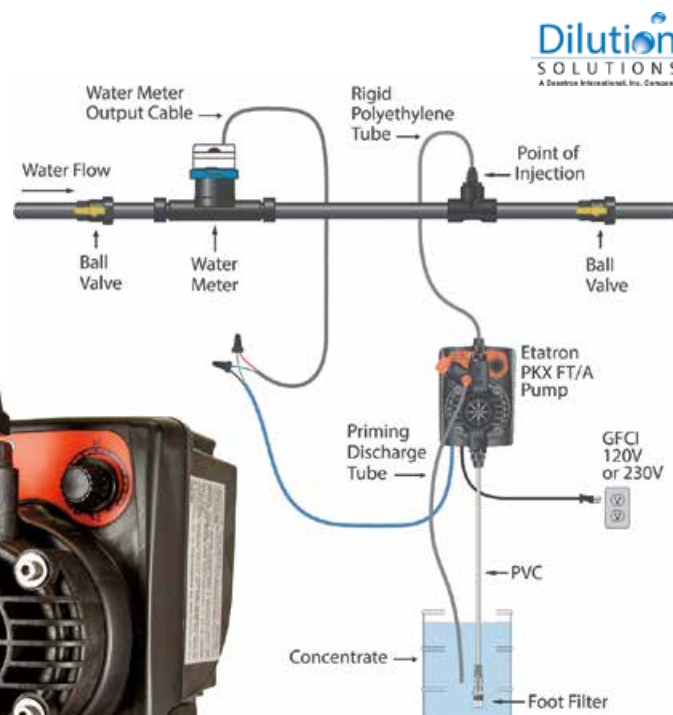
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPPKX | Etatron PKX Pump |

## PKX Parts & Accessories

WTEPPKOSHV

WTEPPKD

WTEPPKSH

WTEPPKCB110

WTEPPKHK

WTEPPKABO    WTEPPKAB

WTEPPKTD

WTEPPKTS

WTEPPKFF

WTEPPKIV

WTEPPKNNO

WTEPPKVVS

WTEPPKTN    WTEPPKAP

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPPKSH | Solenoid Head |
| WTEPPKOSHV | Viton O-Ring for Solenoid Head |
| WTEPPKD | Diaphragm |
| WTEPPKCB110 | Circuit Board 110V |
| WTEPPKHK | Hose Kit |
| WTEPPKNNO | Nipple, Nut, & O-Ring Kit |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPPKFF | Foot Filter |
| WTEPPKIV | Injection Valve |
| WTEPPKABO | O-Ring for Air Bleed Barb |
| WTEPPKAB | Air Bleed Barb only |
| WTEPPKVVS | Valve & Valve Seat Kit |
| WTEPPKTD | Discharge Tube * |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTEPPKTS | Suction Tube * |
| WTEPPKTN | Tube Nut |
| WTEPPKAP | PVC Thread Adapter ⅜ F x ½M |

*Tubing price is per foot

## Gator 8001

### GATOR-XL- 8001 Built To Last… GATOR-DONE!

The Gator-XL is the worldwide choice for proportionally adding any solution into a water system for livestock, agriculture, horticulture, sanitation, water treatment, etc.

**GATOR-XL**™

### FEATURES

- Water powered
- Competitively priced!
- Designed for simple, low-cost maintenance.
- Able to handle a wide variety of chemicals.
- Made of heavy-duty, modular construction, with a separate water motor and chemical pump section, so the motor stays chemical free, and parts are easy to access for service.
- Easily installed into the piping system with flexible hoses or can be installed directly into the piping system with the optional union connectors.

| ITEM NO. | DESCRIPTION |
| --- | --- |
| MDG8001 | Gator Model 8001 Medicator |

### SPECS

- Fixed ratio: (1:128)
- Length: 24"
- Width: 9.75"
- Minimum incoming water pressure: 0.21 Bar (3 PSI);
- Maximum incoming water pressure: 8.27 Bar (120 PSI);
- Minimum incoming water flow: 7.6 Liter/Hour, LPH (2 GPH);
- Maximum incoming water flow: 2271 LPH (600 GPH);
- Connections: ¾" NPT

## Gator Parts



8001 CHEMICAL FEED PUMP

10 SERIES – MOTOR CASING
20 SERIES – VALVE MECHANISM
30 SERIES – MOTOR PISTON ASSEMBLY
40 SERIES – CHEMICAL PUMP

MDGCV

MDGPC

MDGPS128    MDGSF    MDGTB

MDGMC    MDGMPA    MDGPRK    MDGPSA    MDGSL    MDGVS
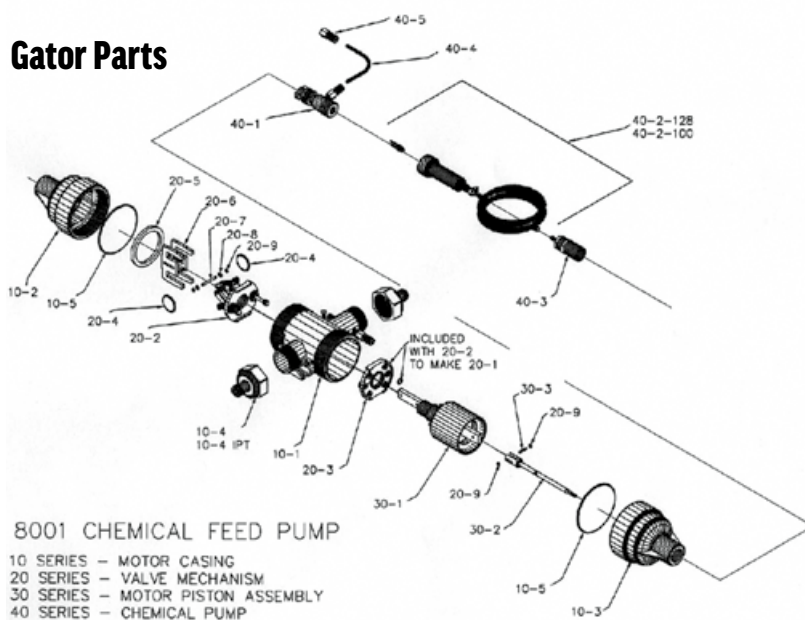
| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
| --- | --- | --- |
| MDGAAA | Actuator Arm Assembly | * |
| MDGCSO | Connector Stem O-Ring (4 pk) | * |
| MDGCV | Pump Check Valve (2) | * |
| MDGECOR | End Cap O-Ring | 10-5 |
| MDGMC | Motor Cylinder | 30-1 |
| MDGMPA | Motor Piston Assembly | * |
| MDGMPS | Motor Piston Seals | * |
| MDGPA | Pivot Arm | 20-7 |
| MDGPC | Piston Clip | * |
| MDGPRK | Pump Replacement Kit | * |
| MDGPS128 | Pump Cylinder 128 | * |
| MDGPSA | Pump Stem Assembly | 30-2 |
| MDGPTS | Pressure Tube 10.5" x ¼" | 40-4 |
| MDGPTSF | Fitting/Nut for Pressure Tube | 40-5 |
| MDGSF | Suction Filter | 40-3 |
| MDGSL | Silicone Lube | * |
| MDGTB | Tensioner Bands (2) | 20-4 |
| MDGVA | Valve Assembly | 20-2 |
| MDGVPS | Valve Plate Seals | * |
| MDGVS | Valve Seal (4PK) | * |

## AquaBlend

### *Precision Injection for Agricultural Medication*

The AquaBlend injector was specifically engineered to accurately medicate and/or treat water in most agricultural environments. AquaBlend is offered in two different fixed and variable ratio models, and it is designed to handle both liquid chemicals and wettable powders.

#### FEATURES

- Quick and easy installation
- Perfect for wettable powders and liquid chemicals
- Unique tool-free maintenance

#### PERFECT FOR

- Vaccinating
- Medicating
- Water treatment
- Cleaning water lines
- Administering nutrients and supplements

#### SPECS

- Flow rate: 0.04 - 11 GPM
- Injection Rate: 1:128
- Operating pressure: 5 - 90 psi
- Connections: ¾" NPT

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MDAB | Aqua Blend Medicator |
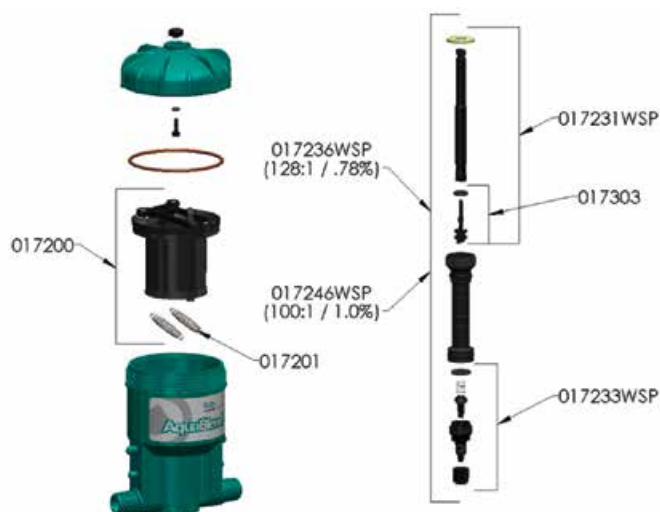
## AquaBlend Parts

MDABCVA          MDABDG          MDABSTA

| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|----------|-------------|-------------------|
| MDABCVA | Check Valve Kit | * |
| MDABDG | Dosage Gasket | * |
| MDABLCSA | Lower Cylinder & Stem Assembly Kit | * |
| MDABMPA | Motor Piston Assembly | 17200 |
| MDABMS | Motor Spring (1 Pair) | 17201 |
| MDABSTA | Suction Tube Assembly | * |
| MDABTCO | O-Ring f/ Top Cap | * |
| MDAPRK | Pump Replacement Kit | * |

*Not labeled on diagram

MDABTCO

MDABLCSA

*Not labeled on diagram

# Chemilizer
## *Consistent, Fluid Driven, Chemical Injection*

Chemilizer is an industry-leading chemical injector that utilizes years of proven diaphragm technology. Powered by the existing water supply, the internal motor drives the chemical pump, injecting very precise amounts of chemical. The speed of the water motor and pump is proportional to the water flow, ensuring Chemilizer will inject consistent amounts of chemical regardless of fluctuation in water pressure and flow.

### FEATURES

- No water filtration required; the diaphragm water motor is unaffected by sand or minerals in the water
- Unique by-pass chemical injection design; the chemical is injected after the motor, avoiding chemical contact with critical motor parts
- Excellent low-flow capabilities
- Corrosion resistant construction – Silicone and Viton components available to withstand the most aggressive chemicals
- Easy and low-cost maintenance – typical maintenance is tool-free
- Now featuring brass inserts molded into the body of Chemilizer, which allow for shorter repair times – the screws no longer require nuts

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MDCHN55 | Chemilizer Medicator |

## HYDRO
a DOVER company

### SPECS

- Flow rate: 0.02 - 11 GPM
- Injection Rate: 1:128 fixed
- Operating Pressure: 3 - 85 PSI
- Connections:¾" NPT



## Chemilizer Parts

| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|----------|-------------|-------------------|
| MDCAAA | Actuator Arm Assembly | **FG5043** |
| MDCAV | Air Vent Cap | **FG8023** |
| MDCB | Top Bypass Assembly | **FG8017** |
| MDCBC | Bottom Cap | **FG8016** |
| MDCCHO | Chemical Hose | * |
| MDCCP1128N | 1-128 Fixed Chemilizer Pump (Viton) | * |
| MDCCPA50-164 | 50-164 Adjustable Chemilizer Pump | * |
| MDCCVC | Chlorine Check Valve | |
| MDCDA | Diaphragm Assembly | **FG5003** |
| MDCDSK | Kynar Dosage Sleeve | * |
| MDCGS | Glass Pump Sleeve | * |
| MDCMBOR | Main Body O-Ring | **F12018** |
| MDCPRKCN | New Chlorine Pump Rebuild Kit | * |
| MDCPS | Pump Stem | * |
| MDCPSOGK | Gasket & O-Ring Kit for Pump Stem | * |
| MDCRK | Motor Rebuild Kit | * |
| MDCSF | Chemilizer Suction Filter | * |
| MDCSH | Medicator Suction Hose | * |



*MDCCP1128N*  *MDCCPA50-164*  *MDCCVC*  *MDCDSK*  *MDCGS*

*MDCPS*  *MDCSF*  *MDCSH*  *MDCRK*

## D128R
### The Original Flat Top Medicator

One of the most trusted medicators on the market. The D128R has been used in the agricultural industry for over 30 years! Comes with a wall mount bracket and will install directly in line with your existing water system. Use this for all your medication and water treatment needs.

**DOSATRON®**

### SPECS

- Flow Rate: 0.09 to 7 GPM
- Injection Rate: 1:128
- Operating Pressure: 7 to 70 PSI
- Connections: ¾" NPT
- Size: 13" x 6.25"

### INCLUDES

- Mounting bracket
- Suction hose with strainer/weight
- Operating manual

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MDDM128 | Dosatron Medicator D128R |
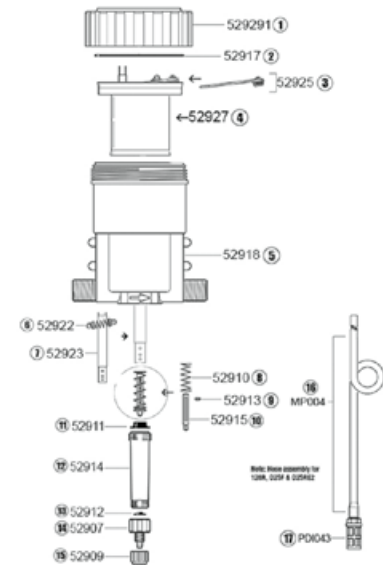
## D128R Parts

| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|----------|-------------|-------------------|
| MDDAA | Actuator Assembly 7GPM | * |
| MDDAS7 | Actuator Spring 7GPM | * |
| MDDBS | Bottom Seal | * |
| MDDTS | Top Seal (VT) | * |
| MDDWSVA | Wishbone Spring Valve Assembly | * |
| MDDP | Plunger | 52923 |
| MDDPIPA | Piston, Injector, & Plunger | * |
| MDDPS | Piston Shell 7 GPM | 52927 |
| MDDSVA | Slide Valve | 52915 |
| MDDSVS | Slide Valve Spring | 52910 |
| MDDHA | 6mm Hose Assembly | * |

*Not labeled on diagram*

MDDAA

MDDWSVA

MDDAS7

MDDPIPA

MDDSVS

MDDBS

MDDTS

MDDHA

# DM11F

## *See The Hydraulic Motor Difference*

The Dosatron® Diaphragm Injector DM11F is for low flow use. This Dosatron® Medicator uses a newly designed hydraulic motor that is piston-free and has a highly chemical resistant housing making it resistant to most chemicals.

### A P P L I C A T I O N S

- Medicating
- Sanitizing
- Chlorinating
- Vaccinating
- Water Treatments
- Supplements

### F E A T U R E S / S P E C I F I C A T I O N S

- Flow Rate: 0.09 to 7 GPM
- Injection Rate: 1:128
- Operating Pressure: 7 to 70 PSI
- Connections: ¾" NPT
- Size: 13" x 6.25"

### I N C L U D E S

- Mounting Bracket
- Suction Tube
- Strainer
- Weight
- Instruction Manual

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MDDM115 | Dosatron Medicator DM11F |

## DM11F Parts

MDDTBG    MDDPLR

MDDPRO-DM11    MDDPIBA    MDDPBG    MDDABS    MDDM11SH6    MDDAST
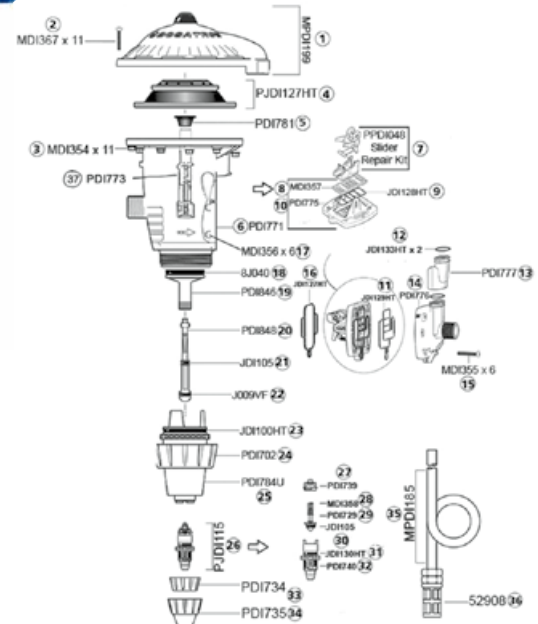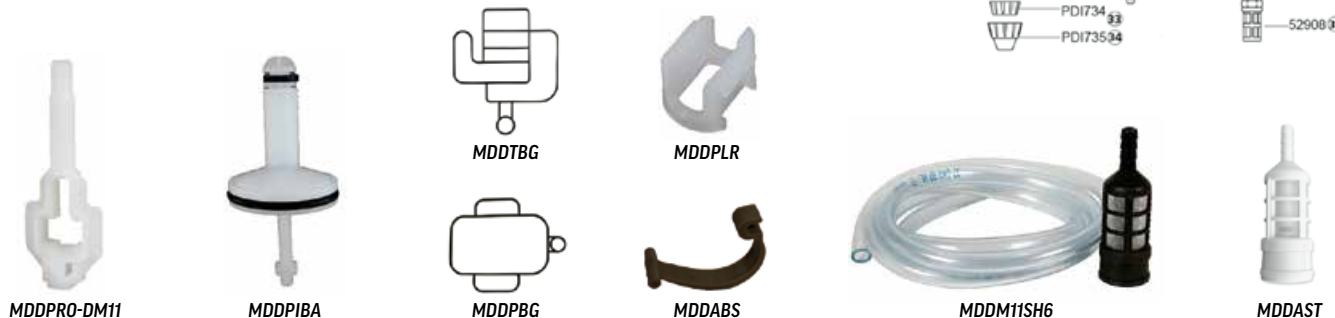
| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|----------|-------------|:---:|
| MDDCV-DM11 | Check Valve | 26 |
| MDDPRO-DM11 | Push Rod | 37 |
| MDDDA | Diaphragm Assembly | 4 |
| MDDSVPP | Slide Valve Plate | 8 |
| MDDSVSBA | Slide Valve & Spring Blade Assembly | 7 |
| MDDTBG | Transfer Body Gasket | 11 |
| MDDTCA-DM11 | Top Cap Assembly | 1 |
| MDDPBG | Pump Body Gasket | 16 |
| MDDPIBA | Pump & Isolation Body Assembly | * |
| MDDPLR | Plunger Retainer | * |
| MDDPS15 | Plunger Seal 1.5% | 22 |

| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|----------|-------------|:---:|
| MDDPSPR | Plastic Seal for Push Rod | 5 |
| MDDOR-DM11 | O Ring | 12 |
| MDDABK | Air Bleed Key | * |
| MDDABS | Actuator Blade Spring | * |
| MDDAG | Actuator Gasket | 9 |
| MDDBPSA | Bypass Sub Assembly | |
| MDDCBC | Check Valve Cone | 29 |
| MDDCPS | Compact Piston Seal for Injection Stem O-Ring | 23 |
| MDDM11SH6 | Suction Hose 6' | * |
| MDDAST | Assembly Strainer | * |

*Not labeled on diagram*

## D14MZ2
### *Precise, simple and reliable*

Installed directly in the water supply line, the DOSATRON operates by using water pressure as the power source. The water activates the DOSATRON, which takes up the required percentage of concentrate.

Inside the DOSATRON, the concentrate is mixed with the water. The water pressure forces the solution downstream. The dose of concentrate will be directly proportional to the volume of water entering the DOSATRON, regardless of variations in flow or pressure which may occur in the main line.

### ADVANTAGES OF A DOSATRON D14MZ2

- High flow rate
- Fewer parts
- Chemical resistant housing
- Easy to read ratio selector

### SPECS

- Connection: ¾" NPT
- Flow rate: 0.05 to 14 GPM (0.19 to 50 LPM)
- Dimensions: 19⅛" x 6 ⁵⁄₁₆"
- Percentage Range: 0.2 to 2%
- Oz. per gallon range: 0.256 to 2.560
- Pressure: 4.3 to 85 PSI
- Ratio Range: 1:500 to 1:50

---

## Stenner Pump Replacement Parts

WTSPCVD

WTSPF14    WTSPICV    WTSPICVN    WTSPSF

WTSPST    WTSPQPHL    WTSPQPL    WTSPQPRA    WTSPQPTHC

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSPCVD | Check Valve Duckbill |
| WTSPF14 | ¼" Pump Ferrule |
| WTSPICV | Injection Check Valve |
| WTSPICVN | Nut for Injection Check Valve |
| WTSPSF | Weighted Suction Filter |

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSPST | Suction Tube (Price per foot) |
| WTSPQPHL | Q P Housing w/ Latch |
| WTSPQPL | Q P Latch |
| WTSPQPRA | Q P Roller Assembly |
| WTSPQPTHC | Q P Housing Cover |

## Tubes

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSP1ST | Stenner # 1 Solution Tube |
| WTSP2ST | Stenner # 2 Solution Tube |
| WTSP7ST | Stenner #7 Solution Tube |
| WTSPHST | Stenner Pump H Solution Tube |

## Medicator Feed Hoses

Each hose comes with 2 FGH fittings.

| ITEM NO. | DESCRIPTION |
|---|---|
| MDH3FF | 3' Medicator Hose |
| MDH4FF | 4' Medicator Hose |

# Water Control

## Water Meters


*WTPMMM11*


*WTPM112*


*WTPMVMP*

| ITEM NO. | DESCRIPTION | MAXIMUM GPM | MAXIMUM PRESSUE |
|---|---|---|---|
| WTPMVMP | Plastic Pulse Water Meter | 20 | 150 PSI |
| WTPMMM11 | 1" Pulse Water Meter MultiMag ⅓ GPP | 50 | 150 PSI |
| WTPM112 | 1½" Pulse Water Meter | 100 | 232 PSI |

## Pressure Regulator

| ITEM NO. | DESCRIPTION |
|---|---|
| WTBRO35 | 25-75 PSI Brass Pressure Regulator |


*WTBRO35*

## Pressure Switches

| ITEM NO. | DESCRIPTION |
|---|---|
| ALWPS | 20/40 Pressure Switch |
| ALWPSNO | Alarm Water Pressure Switch N/O |
| PPCN02 | ¼" Plastic Close Nipple |

## Pressure Gauges


*WTPG30*


*WTGPB*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTPG30 | 30 lb. Water Pressure Gauge |
| WTPG100 | 100 lb. Water Pressure Gauge |
| WTGPB | Galvanized Plumbing Bracket |

## Jumbo Water Filter

### Rugged Construction

Filter housings are made of rugged, glass-reinforced polypropylene with brass reinforced gauge port so they won't chip, rust or dent.

### Low Cost

Watts Jumbo filters are an economical alternative to costly stainless steel filtration equipment.

### Applications

Watts® Jumbo Cartridges are ideal for a wide range of applications, including:

- Whole house filtration
- Commercial filtration
- Industrial filtration
- Pre-filtration for reverse osmosis equipment
- Community water systems
- Sea water applications due to their non-corrosive construction
- Ideal replacement for bag filters
- A convenient alternative to multiple cartridge filters
- Water for livestock and poultry
- Conserves water!
- Watts Big Bubba Cartridge Filter Systems are 100% efficient because no backwashing is required. Valuable water is conserved with no waste.


*FILTER CARTRIDGE*

### Filter Cartridges

| ITEM NO. | DESCRIPTION |
|---|---|
| WTFBBC05M | 5 Micron Jumbo Filter Cartridge |
| WTFGFC20M | 20 Micron Jumbo Filter Cartridge |
| WTFBBCOR | O-Ring for Jumbo Filter Cartridge |

### Filter Housing



| ITEM NO. | DESCRIPTION |
|---|---|
| WTFBBH | Jumbo Filter Housing |

### Need parts but have a full schedule?

Our Beaver Springs location now offers parts delivery for only $15!

Contact our Beaver Springs store at **570-922-4926** to see if you qualify!

## Jumbo Water Filter

### Parts for Jumbo Filter Housing

| ITEM NO. | DESCRIPTION |
|---|---|
| WTFBBHC | Lid for Jumbo Filter Housing |
| WTFGFHORL | O-Ring for Jumbo Filter Housing Lid |
| WTFBBHORIO | Inlet Outlet O-Ring for Jumbo Filter Housing |
| WTFBBIOPA | Inlet Outlet Pipe Adapter for Jumbo Filter Housing |
| WTFBBPR | Pressure Release for Jumbo Filter Housing |
| WTFBBION | Inlet Outlet Adapter Retainer Nut for Jumbo Filter Housing |

WTFBBHC    WTFGFHORL

WTFBBHORIO    WTFBBIOPA    WTFBBPR

## String-Wound Filters

### APPLICATIONS

- Poultry House Filter
- Whole House Water Filter Systems
- Reverse Osmosis Systems
- Drinking Water Filtration

### FEATURES

- Reduces waterborne contaminants
- Polypropylene fibers for purity and chemical compatibility
- High quality polypropylene filter media
- High reduction of sand silt rust dirt and scale particles

| STRING-WOUND SEDIMENT FILTER CARTRIDGE | | | | |
|---|---|---|---|---|
| ITEM # | WTF5M | WTF5L | WTF30M | WTF30L |
| Rating | 5 Micron | 5 Micron | 20 Micron | 20 Micron |
| Dimensions | 2.5" OD x 10" | 4.5" OD x 10" | 2.5" OD x 10" | 4.5" OD x 10" |
| Average Flow Rate | 16.1L/min (4.25 gal/min) | ------- | 4.54 gal/min | ------- |

| ITEM NO. | DESCRIPTION |
|---|---|
| WTF5M | 5 Micron Water Filter |
| WTF5L | 5 Micron Filter (Large) |
| WTF30M | 20 Micron Water Filter |
| WTF30L | 20 Micron Filter (Large) |

## Clear Filter Housing

- Clear Polypropylene Housing With Black Cap
- Leak-Proof Seal With Top-Seated O-Ring
- Large Capacity Housing Suitable for High Flow Applications

### APPLICATIONS

- Filtration Systems
- Reverse Osmosis Systems
- Whole House Water Filter Systems

### FEATURES

- Brass Insert on Start of the Thread
- Heavy-Duty Housing

| ITEM NO. | DESCRIPTION |
|---|---|
| WTFH | 2.5" x 10" Filter Housing |
| WTFHC1 | 4.5" x 10" Filter Housing |

## Filter Housing O-Rings

| ITEM NO. | DESCRIPTION |
|---|---|
| WTFHORB | Bottom O-Ring for Filter Housing |
| WTFHORT | Top O-Ring for Filter Housing |

WTFHORT, WTFHORB

FILTER HOUSING WRENCH
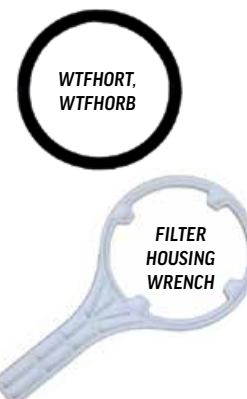
## Filter Housing Wrenches

| ITEM NO. | DESCRIPTION |
|---|---|
| WTFHWL | Large Wrench for Water Filter Housing |
| WTFHWS | Small Wrench for Water Filter Housing |

## Well Pump

Shallow well jet pumps are single-stage domestic water pumps designed for pumping potable water in applications where the water is located less than 25 ft. vertically from the pump. A pressure switch is a standard feature. The shallow well pump can be mounted to either a pre-charged, conventional type or free-standing pressure tank.

*CONNECTION SIZE:* 1¼ in Suction ¾ in Discharge
*CONNECTION TYPE:* NPT
*FLOW RATE:* 420 gph
*FREQUENCY RATING:* 60 Hz
*H P RATING:* 05 hp
*INCLUDES:* 30 to 50 psi Pre-Set Pressure Switch

*MATERIAL:* Iron
*MAXIMUM HEAD:* 25 ft
*MOTOR TYPE:* Dual Voltage
*NUMBER OF STAGES:* 1
*PRESSURE RATING:* 50 psi
*SUITABLE FOR:* 0 to 25 ft. Depth Shallow Wells
*VOLTAGE RATING:* 120/240 V

| ITEM NO. | DESCRIPTION |
|---|---|
| WTWPT8 | 8.5 Gal. Shallow Well Pump & Tank |

## PWP Solenoids

**PWP**
PRO WATER PARTS

*A P P L I C A T I O N S*

PWP series direct acting solenoid valve automatically opens and shuts to control the fluid flowing through the pipe. This valve is designed to allow maximum flow rate in a low-pressure pipeline system.

*F E A T U R E S*

- Direct acting feature allows the valve to open without pressure
- High-quality rubber diaphragm creates a tight seal
- IP65 rated

*S P E C I F I C A T I O N S*

- Working pressure: 0-20 bar (110 or 24 VAC coil)
- Max pressure-resisting: 16bar
- Applicable fluid: compressed air, water, gas, etc.
- Viscosity of the fluid: below 20cst
- Fluid temperature: 80 C(NBR) 130 C(FKM)
- Voltage variation allowed: 10%
- Coil protection level: Ip65
- Recommended installation position: horizontal and the coil should face upward

### Brass

| ITEM NO. | DESCRIPTION |
|---|---|
| WTBSV034120 | ¾" Brass Solenoid Valve 120V |
| WTBSV034220 | ¾" Brass Solenoid Valve 220v |

### Stainless Steel

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSSV034120 | ¾" SS Solenoid Valve 120V |
| WTSSV034220 | ¾" SS Solenoid Valve 220V |

### Coils

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSC120P | 120V Coil for PWP Solenoid |
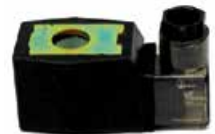
## Plastic Solenoids

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSVP1120 | 1" Plastic Solenoid Valve 120V |

### Coils

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSC120PL | 120V Coil f/ Plastic Solenoid |

## Dayton Solenoid Coils

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSC120 | 120VAC Coil for Dayton Solenoid |
| WTSC240 | 240V Coil for Dayton Solenoid |

## Boiler Drains

| ITEM NO. | DESCRIPTION |
|---|---|
| WTPBD05 | ½" Boiler Drain |
| WTPBD07 | ¾" Boiler Drain |

## Frost Free Spigots

| ITEM NO. | DESCRIPTION |
|---|---|
| OG7113855 | 6" Frost Free Spigot |
| OG7113814 | 8" Frost Free Spigot (Sillcock) |
| OG7113822 | 10" Frost Free Spigot (Sillcock) |

## Wash Tub

*WTLTFS*          *WTFCH20*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTLTWM | Laundry Tub w/ Wall Mount |
| WTLTFS | 4" Faucet Set for Laundry Tub |
| WTFCH20 | 20" Faucet Connection Hose |

# PVC Fittings

## PVC Glue

| ITEM NO. | DESCRIPTION |
|---|---|
| PPG08 | 8 oz. PVC Glue |
| PPG16 | 16 oz. PVC Glue |

## PVC Primer

| ITEM NO. | DESCRIPTION |
|---|---|
| PPP08 | 8 oz. Clear Primer |
| PPP16 | 16 oz. Clear Primer |

## Teflon Tape

| ITEM NO. | DESCRIPTION |
|---|---|
| PTT | Teflon Tape |

## PVC Pipe

Schedule 40 PVC Pipe. Comes in 20' sections with 1 belled end.

| ITEM NO. | DESCRIPTION |
|---|---|
| PP405 | ½" PVC Pipe |
| PP407 | ¾" PVC Pipe |
| PP41 | 1" PVC Pipe |
| PP4125 | 1¼" PVC Pipe |
| PP415 | 1½" PVC Pipe |
| PP42 | 2" PVC Pipe |
| PP43 | 3" PVC Pipe |

## PVC Ball Valves

| ITEM NO. | DESCRIPTION |
|---|---|
| WTBV05S | ½" Ball Valve SXS |
| WTBV07S | ¾" Ball Valve SxS |
| WTBV1S | 1" Ball Valve SXS |
| WTBV12S | 1¼" Ball Valve SxS |
| WTBV15S | 1½" Ball Valve SxS |
| WTBV25 | 2" Ball Valve SXS |

## PVC Couplers

| ITEM NO. | DESCRIPTION |
|---|---|
| PPC05 | ½" PVC Coupler |
| PPC07 | ¾" PVC Coupler |
| PPC1 | 1" PVC Coupler |
| PPC125 | 1¼" PVC Coupler |
| PPC15 | 1½" PVC Coupler |
| PPC2 | 2" PVC Coupler |

## PVC Tees

| ITEM NO. | DESCRIPTION |
|---|---|
| PPT05 | ½" PVC Tee |
| PPT05ST | ½" PVC Tee SxSxT |
| PPT07 | ¾" PVC Tee |
| PPT07ST | ¾" PVC Tee SxSxT |
| PPT1 | 1" PVC Tee |
| PPT125 | 1¼" PVC Tee |
| PPT15 | 1½" PVC Tee |
| PPT2 | 2" PVC Tee |

## PVC Elbows

*PVC 45° ELBOW*

*PVC 90° ELBOW*

*PVC STEET ELBOW*

| ITEM NO. | DESCRIPTION |
|---|---|
| PPL0545 | ½" PVC Elbow 45° SxS |
| PPL05 | ½" PVC Elbow 90° SxS |
| PPL05ST | ½" PVC Elbow 90° SxT |
| PPL0745 | ¾" PVC Elbow 45° SxS |
| PPL07 | ¾" PVC Elbow 90° SxS |
| PPL07ST | ¾" PVC Elbow 90° SxT |
| PPL07STR | ¾" PVC Street Elbow 90° |
| PPL1 | 1" PVC Elbow 90° SxS |
| PPL1ST | 1" PVC Elbow 90° SxT |
| PPL10STR | 1" PVC Street Elbow 90° SxS |
| PPL125 | 1¼" PVC Elbow 90° SxS |
| PPL15 | 1½" PVC Elbow 90° SxS |
| PPL2 | 2" PVC Elbow 90° SxS |

## PVC Unions

| ITEM NO. | DESCRIPTION |
|---|---|
| PPU05 | ½" PVC Union |
| PPU07 | ¾" PVC Union |
| PPU10 | 1" PVC Union |
| PPU15 | 1½" PVC Union |

## PVC Crosses

| ITEM NO. | DESCRIPTION |
|---|---|
| PPX05 | ½" PVC Cross |
| PPX07 | ¾" PVC Cross |
| PPX1 | 1" PVC Cross |

### *Here at Zeiset Equipment, customer service is our TOP priority!*

We strive to treat each customer fairly and hope to make your buying experience with us a pleasant one.

Our parts salesmen work to get you the best quality items at the best possible prices. Need an item but don't see it listed? Call us and we may be able to special order it for you.

*"Show value, create an experience, and always strive to exceed your customer's expectations."*

*~Shep Hyken~*

# PVC Fittings

**FGPT** = Female Garden Pipe Thread
**FPT** = Female Pipe Thread

**MGPT** = Male Garden Pipe Thread
**MPT** = Male Pipe Thread

**NPT** = National Pipe Thread
**S** = Slip
**T** = Threaded

## PVC Adapters

### Male Adapters

| ITEM NO. | DESCRIPTION |
|---|---|
| PPMA05 | ½" PVC Male Adapter  SxMPT |
| PPMA0705 | ¾" x ½" PVC Male Adapter SxMPT |
| PPMA07 | ¾" PVC Male Adapter  SxMPT |
| PPMA1 | 1" PVC Male Adapter  SxMPT |
| PPMA125 | 1¼" PVC Male Adapter  SxMPT |
| PPMA15 | 1½" PVC Male Adapter  SxMPT |
| PPFMA2 | 2" PVC Male Adapter  SxMPT |

### Female Adapters

| ITEM NO. | DESCRIPTION |
|---|---|
| PPFA05 | ½" PVC Female Adapter  SxFPT |
| PPFA07 | ¾" PVC Female Adapter  SxFPT |
| PPFA1 | 1" PVC Female Adapter  SxFPT |
| PPFA12 | 1¼" PVC Female Adapter SxFPT |
| PPFA15 | 1½" PVC Female Adapter SxFPT |

## PVC Bushings

| ITEM NO. | DESCRIPTION |
|---|---|
| PPB0502ST | ½" x ¼" PVC Bushing SxT |
| PPB0702ST | ¾" x ¼" PVC Bushing SxT |
| PPB0507ST | ¾" x ½" PVC Bushing SxT |
| PPB0705 | ¾" x ½" PVC Bushing SxS |
| PPB0705TT | ¾" x ½" PVC Bushing TXT |
| PPB105ST | 1" x ½" PVC Bushing SXT |
| PPB107 | 1" x ¾" PVC Bushing SxS |
| PPB107ST | 1" x ¾" PVC Bushing SxT |
| PPB107TT | 1" x ¾" PVC Bushing TXT |
| PPB121 | 1¼" x 1" PVC Bushing SxS |
| PPB12X75SS | 1¼" x ¾" PVC Bushing SxS |
| PPB1507 | 1½" x ¾" PVC Bushing SxS |
| PPF15X1BSS | 1½" x 1" PVC Bushing SxS |
| PPB1512 | 1½" x 1¼" PVC Bushing SxS |
| PPB21 | 2" x 1" PVC Bushing SxS |
| PPB215 | 2" x 1½" PVC Bushing SxS |

## PVC Plugs

| ITEM NO. | DESCRIPTION |
|---|---|
| PPP05 | ½" PVC Plug  MPT |

## PVC Caps

| ITEM NO. | DESCRIPTION |
|---|---|
| PPCP05 | ½" PVC Cap |
| PPCP07 | ¾" PVC Cap |
| PPCP1 | 1" PVC Cap |
| PPCP112 | 1½" PVC Cap |
| PPCP2 | 2" PVC Cap |

## PVC Floor Drains

*PPDF99*

*PPDF66*

| ITEM NO. | DESCRIPTION |
|---|---|
| PPDF66 | 6x6 PVC Floor Drain |
| PPDF99 | 9x9 PVC Floor Drain |

## Plastic Close Nipples

| ITEM NO. | DESCRIPTION |
|---|---|
| PPCN02 | ¼" Plastic Close Nipple |
| PPCN05 | ½" Plastic Close Nipple |

# Nylon Fittings

## Nylon Tee
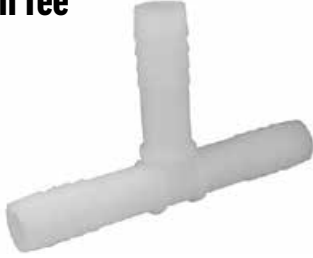
| ITEM NO. | DESCRIPTION |
|---|---|
| WTT02I | ¼" Nylon Insert Tee |

## Nylon Splices

| ITEM NO. | DESCRIPTION |
|---|---|
| WTSI02 | ¼" Nylon Insert Splice |
| WTSI02I019N | ¼" x ³⁄₁₆" Nylon Insert Splice |

## Nylon Inserts

*NYLON INSERT X FGPT*      *NYLON INSERT X MPT*

| ITEM NO. | DESCRIPTION |
|---|---|
| PNAIN02GF00 | ¼" Nylon Insert x FGPT |
| PNAIN02TM05 | ¼" Nylon Insert x ½" MPT |
| PNAIN03GF00 | ⅜" Nylon Insert x FGPT |
| PNAIN03TM05 | ⅜" Nylon Insert x ½" MPT |
| PNAIN05GF00 | ½" Nylon Insert x FGPT |
| PNAIN05TM05 | ½" Nylon Insert x ½" MPT |
| PNAIN06GF00 | ⅝" Nylon Insert x FGPT |
| PNAIN06TM05 | ⅝" Nylon Insert x ½" MPT |
| PNAIN06TM07 | ⅝" Nylon Insert x ¾" MPT |
| PNAIN07TM05 | ¾" Nylon Insert x ½" MPT |
| PNAIN07TM07 | ¾" Nylon Insert x ¾" MPT |

## Nylon Adapters

| ITEM NO. | DESCRIPTION |
|---|---|
| PNAGF00TM05 | ½" MPT x Nylon FGPT |
| PNAGM00TM05 | ½" MPT x Nylon MGPT |
| PNAGM00TF07 | ¾" FPT x Nylon MGPT |
| PNAGM00TM07 | ¾" MPT x Nylon MGPT |

## Nylon Bushings

| ITEM NO. | DESCRIPTION |
|---|---|
| PNB0501TT | ½" x ⅛" Threaded Nylon Bushing |
| PNB0503 | ½" x ⅜" Threaded Nylon Bushing |

# Brass & Stainless Steel Fittings

## Brass Ball Valve

| ITEM NO. | DESCRIPTION |
|---|---|
| WTBV05B | ½" Brass Ball Valve |

## Brass Inserts

*Female*      *Male*

| ITEM NO. | DESCRIPTION |
|---|---|
| PBAIN03GM00 | ⅜" Brass Insert x MGPT |
| PBAIN03GF00 | ⅜" Brass Insert x FGPT |
| PBAIN05GM00 | ½" Brass Insert x MGPT |
| PBAIN05GF00 | ½" Brass Insert x FGPT |
| PBAIN06GF00 | ⅝" Brass Insert x FGPT |
| PBAIN06TM05 | ⅝" Brass Insert x ½" MPT |
| PBAIN06TM07 | ⅝" Brass Insert x ¾" MPT |
| PBAIN07GF00 | ¾" Brass Insert x FGPT |

**FGPT** = Female Garden Pipe Thread  
**FPT** = Female Pipe Thread

**MGPT** = Male Garden Pipe Thread  
**MPT** = Male Pipe Thread

**NPT** = National Pipe Thread  
**S** = Slip  
**T** = Threaded

## Pex Pipe & Fittings



Coupler



Male Adapter



Elbow



Ball Valve



Female Adapter



Tee



Crimp Ring

| ITEM NO. | DESCRIPTION |
|---|---|
| PXBV12 | ½" Pex Ball Valve |
| PXC12 | ½" Pex Coupler |
| PXFA1212 | ½" Pex x Female NPT Adapter |
| PXFA1234 | ½" Pex x ¾" Female NPT Adapter |
| PXMA1212 | ½" Pex x Male NPT Adapter |
| PXMA1234 | ½" Pex x ¾" Male NPT Adapter |
| PXL12 | ½" Pex Elbow |
| PXT12 | ½" Pex T |
| PXCR12 | ½" Pex Crimp Ring |
| PXCR34 | ¾" Pex Crimp Ring |
| PXP12 | ½" Pex Pipe  (Sold per foot) |



Pipe

## Stainless Steel Inserts



| ITEM NO. | DESCRIPTION |
|---|---|
| PSAIN02TF05 | ¼" SS  Insert x ½" FPT |
| PSAIN02TM05 | ¼" SS Insert x ½" MPT |
| PSAIN03TM05 | ⅜" SS Insert x ½" MPT |
| PSAIN05GF00 | ½" SS Insert x FGPT |
| PSAIN62GF00 | ⅝" SS Insert x FGPT |
| PSAIN10IN10 | 1" SS Insert x 1" Insert Adapter |
| PSAIN10TF10 | 1" SS Insert x 1" FPT |
| PSAIN10TM10 | 1" SS Insert x 1" MPT |
| PSAIN12TF12 | 1¼" SS Insert x 1¼" FPT |

## Stainless Steel Hose Clamps



| ITEM NO. | DESCRIPTION |
|---|---|
| WTHC035 | ⅜" SS Hose Clamp |
| WTHC06S | ⅝" SS Hose Clamp |
| WTHC08S | ⅞" SS Hose Clamp |
| WTHC12S | 1¼" SS Hose Clamp |
| WTHC15 | 1½" SS Hose Clamp |
| WTHC2S | 2" SS Hose Clamp |
| WTHC3S | 3" SS Hose Clamp |
| WTHC4 | 4½" SS Hose Clamp |

# Black Iron Fittings

## Pipe

All black iron pipe is threaded & coupled. Pricing is per foot.

| ITEM NO. | DESCRIPTION |
|---|---|
| PB05T | ½" Black Pipe |
| PB07T | ¾" Black Pipe |
| PB10T | 1" Black Pipe |
| PB12T | 1¼" Black Pipe |
| PB15T | 1½" Black Pipe |

## Tees

| ITEM NO. | DESCRIPTION |
|---|---|
| PBT05 | ½" Black Tee |
| PBT07 | ¾" Black Tee |
| PBT10 | 1" Black Tee |
| PBT12 | 1¼" Black Tee |
| PBT15 | 1½" Black Tee |
| PBT2 | 2" Black Tee |

## Elbows

| ITEM NO. | DESCRIPTION |
|---|---|
| PBL05 | ½" Black Elbow |
| PBL07 | ¾" Black Elbow |
| PBL10 | 1" Black Elbow |
| PBL12 | 1¼" Black Elbow |
| PBL15 | 1½" Black Elbow |

## Couplers

| ITEM NO. | DESCRIPTION |
|---|---|
| PBC05 | ½" Black Coupler |
| PBC07 | ¾" Black Coupler |
| PBC10 | 1" Black Coupler |
| PBC125 | 1¼" Black Coupler |
| PBC15 | 1½" Black Coupler |

## Reducer Tees

| ITEM NO. | DESCRIPTION |
|---|---|
| PBRT343412 | ¾" x ¾" x ½" Black Reducer Tee |
| PBRT1112 | 1" x 1" x ½" Black Reducer Tee |
| PBRT101007 | 1" x 1" x ¾" Black Reducer Tee |
| PBRT11411412 | 1¼" x 1¼" x ½" Black Reducer Tee |
| PBRT11411434 | 1¼" x 1¼" x ¾" Black Reducer Tee |
| PBRT11411410 | 1¼" x 1¼" x 1" Black Reducer Tee |
| PBRT11211212 | 1½" x 1½" x ½" Black Reducer Tee |

## Reducer Couplers

| ITEM NO. | DESCRIPTION |
|---|---|
| PBRC0705 | ¾" x ½" Black Reducer Coupler |
| PBRC105 | 1" x ½" Black Reducer Coupler |
| PBRC107 | 1" x ¾" Black Reducer Coupler |
| PBRC1205 | 1¼" x ½" Black Reducer Coupler |
| PBRC1207 | 1¼" x ¾" Black Reducer Coupler |
| PBRC121 | 1¼" x 1" Black Reducer Coupler |
| PBRC11210 | 1½" x 1" Black Reducer Coupler |
| PBRC112114 | 1½" x 1¼" Black Reducer Coupler |

## Unions

| ITEM NO. | DESCRIPTION |
|---|---|
| PBU05 | ½" Black Union |
| PBU07 | ¾" Black Union |
| PBU1 | 1" Black Union |
| PBU125 | 1¼" Black Union |
| PBU15 | 1½" Black Union |

**FGPT** = Female Garden Pipe Thread
**FPT** = Female Pipe Thread

**MGPT** = Male Garden Pipe Thread
**MPT** = Male Pipe Thread

**NPT** = National Pipe Thread
**S** = Slip
**T** = Threaded

## Bushings



| ITEM NO. | DESCRIPTION |
|---|---|
| PBB0503 | ½" x ⅜" Black Bushing |
| PBB0705 | ¾" x ½" Black Bushing |
| PBB105 | 1" x ½" Black Bushing |
| PBB107 | 1" x ¾" Black Bushing |
| PBB1205 | 1¼" x ½" Black Bushing |
| PBB1275 | 1¼" x ¾" Black Bushing |
| PBB121 | 1¼" x 1" Black Bushing |
| PBB1505 | 1½" x ½" Black Bushing |
| PBB151 | 1½" x 1" Black Bushing |
| PBB1512 | 1½" x 1 ¼" Black Bushing |

## Plugs



| ITEM NO. | DESCRIPTION |
|---|---|
| PBP05 | ½" Black Plug |
| PBP07 | ¾" Black Plug |
| PBP1 | 1" Black Plug |
| PBP12 | 1¼" Black Plug |

## Nipples



| ITEM NO. | DESCRIPTION |
|---|---|
| PBN052 | ½" x 2" Black Nipple |
| PBN053 | ½" x 3" Black Nipple |
| PBN054 | ½" x 4" Black Nipple |
| PBN055 | ½" x 5" Black Nipple |
| PBN056 | ½" x 6" Black Nipple |
| PBN072 | ¾" x 2 Black Nipple |
| PBN073 | ¾" x 3" Black Nipple |
| PBN074 | ¾" x 4" Black Nipple |
| PBN075 | ¾" x 5" Black Nipple |
| PBN076 | ¾" x 6" Black Nipple |
| PBN1X3 | 1" x 3" Black Nipple |
| PBN1X4 | 1" x 4" Black Nipple |
| PBN5 | 1" x 5" Black Nipple |
| PBN16 | 1" x 6" Black Nipple |
| PBN12X4 | 1¼" x 4" Black Nipple |
| PBN15X3 | 1½" x 3" Black Nipple |
| PBN15X4 | 1½" x 4 Black Nipple |
| PBN155 | 1½" x 5" Black Nipple |

## Close Nipples



| ITEM NO. | DESCRIPTION |
|---|---|
| PBN05C | ½" Close Black Nipple |
| PBN38C | ⅜" Close Black Nipple |
| PBN07C | ¾" Close Black Nipple |
| PBN1C | 1" Close Black Nipple |
| PBN12C | 1¼" Close Black Nipple |
| PBN15C | 1½" Close Black Nipple |

## Caps



| ITEM NO. | DESCRIPTION |
|---|---|
| PBCAP05 | ½" Black Cap |
| PBCAP07 | ¾" Black Cap |

Honest team, excellent customer service, and quality workmanship! I look forward to working with them in the future and would highly recommend them for any poultry or swine housing needs. 👍

*~Google Review~*

# Gas Line & Fittings

## LP Gas Regulators


HTGRP12


HTGRT12400B


HTGRS12935B


HTGRSB34935B


HTGS2MILBTU


HTGPRPT

| ITEM NO. | DESCRIPTION | INLET CONNECTION | OUTLET CONNECTION | ADJUSTMENT RANGE | VAPOR CAPACITY |
|---|---|---|---|---|---|
| HTGRP12 | First Stage LP Regulator | F. POL | ½" F. NPT | 5-10 PSI | 2,500,000 BTU/hr |
| HTGRT12400B | Twin Stage LP Regulator | F. POL | ½" F. NPT | 9"-13" W.C. | 450,000 BTU/hr |
| HTGRS12935B | Second Stage LP Regulator (935K BTU) | ½" F. NPT | ½" F. NPT | 9"-13" W.C. | 935,000 BTU/hr |
| HTGRSB34935B | Second Stage LP Regulator (935K BTU/Backmount) | ¾" F. NPT | ¾" F. NPT | 9"-13" W.C | 935,000 BTU/hr |
| HTGS2MILBTU | Second Stage LP Regulator (2.3M BTU) | ¾" F. NPT | 1" F. NPT | 9"-13" W.C. | 2,300,000 BTU/hr |
| HTGPRPT | Copper Pig Tail for LP Regulator (Length: 20", Connections: M. FPOL x M. FPOL) | ----- | ----- | ----- | ----- |

## Gas Fittings


*Ball Valve*


*Brass Inserts*


*Adapter*


*Coupler*


*Elbow*


*Tee*


*Nut*

| ITEM NO. | DESCRIPTION |
|---|---|
| HTGV12B | Brass ½" LP Ball Valve |
| PBAIN03TM03 | Brass ⅜" Insert x ⅜" MPT |
| PBAIN03TF05 | Brass ⅜" Insert x ½" FPT |
| PBAIN03TM05 | Brass ⅜" Insert x ½" MPT |
| PBAIN05TF05 | Brass ½" Insert x ½" FPT |
| PBAIN05TM05 | Brass ½" Insert x ½" MPT |

| ITEM NO. | DESCRIPTION |
|---|---|
| PBRA05F | Brass ½" Flare x ½" MPT Adapter |
| PBRA05F07M | Brass ½" Flare x ¾" MPT Adapter |
| PBRFC05 | Brass ½" Flare Coupler |
| PBREF05 | Brass ½" Flare Elbow |
| PBRT05 | Brass ½" Flare Tee |
| PBRFN05 | Brass ½" Flare Nut |

## Gas Hose

HTGH12

HTGH03R

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTGH03R | ⅜" Red LP Gas Hose |
| HTGH12 | ½" Black LP Gas Hose |

## Copper Tubing

- Yellow polyethylene coating protects against corrosion
- Suitable for underground application

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PC05C | ½" Copper Tubing per ft. (Coated) |

## Teflon

- 8 fl. oz.
- Brushtop bottle
- Soft, slow drying; never seizes
- Allows for easy disassembly

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PTP16 | Pipe Thread Compound |

# Space Heaters

## L.B. White Space Heaters

### *Hot Surface Ignition Guardian Heaters*

**FEATURES**

- High temperature protection
- Totally enclosed motor
- Air proving switch
- High quality, corrosion resistant
- Sediment trap included

**HTLG100HSI FEATURES**

- 50,000 - 100,000 BTU/hr
- Cabinet Material: White tri-shield coating

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTLG100HSI | L.B. White Guardian 100 HSI Heater |

**HTLG250HSI FEATURES**

- 160,000 - 250,000 BTU/hr
- Cabinet Material: Galvanized

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTLG250HSI | L.B. White Guardian 250 HSI Heater |

## L.B. White Space Heater Parts

**L.B.WHITE**

### Blower Wheels

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGBW100 | Blower Wheel for Guardian 100 |
| HTLGBW250 | Blower Wheel for Guardian 250 |

### Blower Motors

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGBM100 | Blower Motor for Guardian 100 |
| HTLGBM250 | Blower Motor for Guardian 250 |

### Motor Mounting Plates

*HTLGMM100*

*HTLGMM250*

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGMM100 | Motor Mount for Guardian 100 |
| HTLGMM250 | Motor Mount for Guardian 250 |

### Control Modules

For Guardian HSI 60/100/250

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGCM250100 | Control Module |

### Gas Valve

For Guardian 60/100/250

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGGV250 | LP Gas Control Valve |

### Flame Sensors

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGFS100 | Flame Sensor for Guardian 60/100 |
| HTLGFS250 | Flame Sensor for Guardian 250 |

### Air Proving Switches

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGAPS100 | Air Proving Switch for Guardian 100 |
| HTLGAPS250 | Air Proving Switch for Guardian 250 |

### Transformer

- For Guardian 60/100/250
- Input: 120 volt
- Output: 24 volt

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTLBWT120/24 | Heater Transformer |

### High Limit Switches

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGHL100 | High Limit Switch for Guardian 60/100 |
| HTLGHL250 | High Limit Switch for Guardian 250 |

### Igniters

*HTLGI250100*

- For heaters manufactured before 10/15/16
- For Guardian 100/250

*HTLGI250100N*

- For heaters manufactured after 10/15/16
- For Guardian 100/250

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGI250100 | Old Style Igniter |
| HTLGI250100N | New Style Igniter |

### Outdoor Mounting Kits

*FEATURES*

- 2- Wall Brackets
- Duct Assembly
- Duct Flange
- Outdoor Heater Canopy
- Mounting Hardware

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGOMK250 | Outdoor Mounting Kit for 250 Guardian |

### Y-Ducts
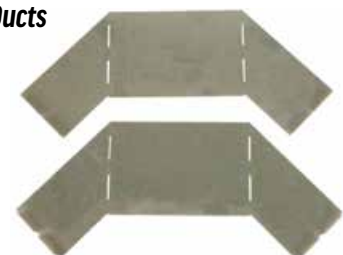
| ITEM NO. | DESCRIPTION |
|---|---|
| HTYD80 | Y-Duct for Guardian 100 |
| HTYD225 | Y-Duct for Guardian 250 |

## PuraFire Space Heater Parts

### Blower Wheels

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPBW225 | Blower Wheel for 225,000 BTU |

### Blower Motors

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPM80 | Motor for 80,000 BTU |
| HTPM225 | Motor for 225,000 BTU |

### Blower Motor Assembly

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPBMWA225 | Motor & Blower Assembly for 225,000 BTU |

### Motor Mounting Plates

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPMMP80 | Motor Mount for 80,000 BTU |
| HTPMMP225 | Motor Mount for 225,000 BTU |

### Control Module

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPMC | Control Module |

### Gas Valve

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPGCV | LP Gas Control Valve |

### Flame Sensor

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPFS | Flame Sensor |

### Air Proving Switch

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPAPS | Air Proving Switch |

### High Limit Switch

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPHL350 | High Limit Switch |

### Igniter

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPI | HSI Igniter |

### Transformer

- Input: 120 volt
- Output: 24 volt
- Wire leads

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTT12024 | Heater Transformer |

### Capacitors

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTPC5 | 5 MFD Capacitor for 80,000 BTU |
| HTPC | 7.5 MFD Capacitor for 225,000 BTU |

# Hired Hand Space Heater Parts

## Blower Wheels

| ITEM NO. | DESCRIPTION |
|---|---|
| HTHBW80 | Blower Wheel for 75,000 BTU |
| HTHHBW225 | Blower Wheel for 225,000 BTU |

## Blower Motor

| ITEM NO. | DESCRIPTION |
|---|---|
| HTHBM80 | Motor for 80,000 BTU |

## Blower Motor Assembly

| ITEM NO. | DESCRIPTION |
|---|---|
| HTH225MBA | Motor & Blower Assembly for 225,000 BTU |

## Motor Mounting Plate

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGMM250 | Motor Mount for 225,000 BTU |

## Control Module

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGCM250100 | Control Module |

## Gas Valve

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGGV250 | LP Gas Valve |

## Flame Sensors

| ITEM NO. | DESCRIPTION |
|---|---|
| HTHFS | 2.2" Flame Sensor |
| HTHFS4 | 4" Flame Sensor |

## Air Proving Switch

| ITEM NO. | DESCRIPTION |
|---|---|
| HTHAPS | Air Proving Switch |

## High Limit Switch

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGHL250 | High Limit Switch for 225,000 BTU |

## Igniter

| ITEM NO. | DESCRIPTION |
|---|---|
| HTHI | Igniter for 225,000 BTU |

## Transformer

- Input: 120 volt
- Output: 24 volt
- Wire leads

| ITEM NO. | DESCRIPTION |
|---|---|
| HTT12024 | Heater Transformer |

# Tube Heaters

## L.B. White Tube Heaters

*L.B. White's Sentinel maximizes the radiant heat energy to where it is needed most: to the birds, with minimal waste to convection.*

The Sentinel shares the same quality design standards that have earned L.B. White its reputation as the leader in poultry forced air heating and radiant heating. The Sentinel provides the rugged durability to stand up to years of safe, reliable use in harsh confinement environments. And all Sentinels meet or exceed ANSI and CSA standards for safety.

*FEATURES*

- Hinged burner box lid for easy service access
- Spark ignition for better reliability and longer life than HSI
- Large diagnostic and stage lights on bottom of unit create visibility from entire house
- Pressurized burner technology delivers more even heat over the length of the heater

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLTH08020 | 20' Oval 80 Tube Heater/ 80,000 BTU |
| HTLTH10030-1P | 30' Tube Heater/ 100,000 BTU |
| HTLTH100/6530-2P | 30' Tube Heater/ 65,000/100,000 BTU- 2 ST |
| HTLTH12540-1P | 40' Tube Heater/ 125,000 BTU |
| HTLTH125/7540-2P | 40' Tube Heater/ 75,000/125,000 BTU- 2 ST |
| HTLTH15050-1P | 50' Tube Heater/ 150,000 BTU |
| HTLTH150/9050-2P | 50' Tube Heater/ 90,000/150,000 BTU- 2 ST |

## L.B. White Tube Heater Parts

### Blower Wheel

For Sentinel & Oval 80

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTLBWBW | Blower Wheel |

### Blower Housing

For Sentinel & Oval 80

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTLBWFH | Blower Housing |

### Blower Motor

For Sentinel & Oval 80

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTLBWBM | Blower Motor |

### Control Module

For Sentinel & Oval 80

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTLBWCM | Control Module |

### Gas Valves

*HTLGGV250*

- For 6/24/18 and before
- For Sentinel & Oval 80

*HTTLBWGVN*

- For 6/25/18 and after
- For Sentinel & Oval 80

*HTTLBWGVN*

| ITEM NO. | DESCRIPTION |
|---|---|
| HTLGGV250 | Gas Valve |
| HTTLBWGVN | Gas Valve for v.2 |
| HTTLBWGV2S | Gas Valve for 2 Stage Sentinel |

L.B.WHITE

## Air Proving Switch

For Sentinel &
Oval 80



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBWAPS | Air Proving Switch (old) |
| HTTLBWAPSN | Air Proving Switch (new) |

## Igniters



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBWI | Igniter for Sentinel & Oval 80 |
| HTTLBOI | Igniter for Oval 80 (old) (Before December 2017) |

## Ignition Cable

- For Sentinel & Oval 80
- 18" length

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBWIW | Ignition Cable |

## Transformer

- For Sentinel & Oval 80
- Input: 120 volt
- Output: 24 volt



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBWT120/24 | Heater Transformer |

## Vent Caps

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBEVS | End Vent Cap for Sentinel |
| HTTLBOEV | End Vent Cap for Oval 80 |

## Indicator Lights



| HTTLBILR | HTTLBILY | HTTLBILG |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBILR | Red Indicator Light |
| HTTLBILY | Yellow Indicator Light |
| HTTLBILG | Green Indicator Light |

## Tube Clamps



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTCLBW | 4" Tube Clamp for Sentinel |
| HTTCLBW80 | 3" Tube Clamp for Oval 80 |

## Tube

- For Sentinel
- First tube from burner



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBTA | 4" x 10' Aluminized Tube with Clamp |

## Turbulator Strip



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBTB | Turbulator Strip |

## Hanger Brackets


Hanger Brackets

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBHB | Hanger Bracket for Sentinel |
| HTTLBHB803 | Hanger Bracket for Oval 80/ 3" Tube |
| HTTLBHB800 | Hanger Bracket for Oval 80/ Oval Tube |
| HTTLBHBSS | Shield Support Hanger for Sentinel & Oval 80 |

## Reflector Shield


Aluminum Reflector Shield
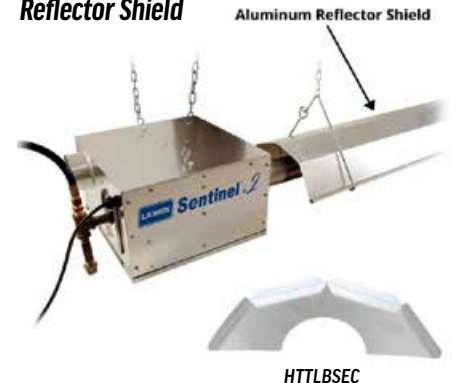
HTTLBSEC

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTLBS | 10' Aluminum Reflector Shield for Sentinel & Oval 80 |
| HTTLBSEC | Aluminum End Cap for Reflector Shield for Sentinel |

## Air Intake Supplies



HTTHAIB



HTTHAIH4          HTTHAIWS

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTHAIB | Air Intake Hose Mounting Bracket |
| HTTHAIH4 | 4" Flexible Air Intake Hose |
| HTTHAIWS | Wire Strainer for Air Intake |

## Val-Co Tube Heaters

**Multiple Sizes and Configurations Available**
Call to Order!

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTVTHE10030 | 30' Tube Heater/ 100,000 BTU |
| HTVTHE12540 | 40' Tube Heater/ 125,000 BTU |

## Val-Co Tube Heater Parts

### Blower Motor Assembly

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTVMBA | Blower Motor Assembly (VST & VES) |

### Gas Valves & Modules

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTVGV | Gas Valve - VST |
| HTTVVGV | Gas Valve - VES |
| HTTVVCM | Control Module - VES |

### Air Proving Switches

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTVAPS100 | Air Proving Switch for 100,000 BTU |
| HTTVAPS125 | Air Proving Switch for 125,000 BTU (VST & VES) |

*HTTVAPS100*

### Igniter

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTVI | Igniter – VST |
| HTTVVI | Igniter – VES |

### Flame Sensor

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTVFS | Flame Sensor (VST & VES) |

## Space Ray Tube Heaters

**Multiple Sizes and Configurations Available**
Call to Order!

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTSRTH30125P | 30' Tube Heater/ 125,000 BTU |
| HTSRTH40125P | 40' Tube Heater/ 125,000 BTU |

### Big Foot U-Tube Heater

- 19° optimized reflector angle reduces convective wash
- Better radiant throw for even temperature distribution
- Low clearances to combustibles above
- Allows birds warm access to food & water
- Unique u-bend reflector improves heat throw from end of tube
- Rectangular pattern conforms to shape of poultry house
- 4" diameter tubes create a large radiant surface to emit more heat over a wide area
- Each unit comes with fresh air intake kit, exhaust hood, stainless steel flexible gas connector and a pre-wired electrical connection
- Each unit is pre-assembled for easy installation
- Includes TISS™ (tube integrity safety system) – space-ray's patented, innovative safety system. In the unlikely event of a tube failure, TISS has been designed to automatically shut off the heater, providing greater safety and peace of mind.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTSRTBF2080 | Big Foot 80K U-Tube Heater |

## Space Ray Tube Heater Parts

### Blower Motor
For CTA/CTS Pull Style

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTSRPBM | Blower Motor |

### Blower Wheel
For CTA/CTS Pull Style

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTSRPBW | Blower Wheel |

### Blower Housing
For CTA/CTS Pull Style

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTSRPBH | Blower Housing |

## Motor Mount
For CTA/CTS
Pull Style

**SPACE-RAY**

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTSRPMM | Motor Mount |

## Control Module

*HTTSRCM*

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTSRPCMR | Control Module Retrofit Kit (For CTA/CTS Pull Style) |
| HTTSRCM | Control Module (For Fusion, Big Foot, & PCA/PCS Style) |

## Gas Valves

**SPACE-RAY**

*HTTSRPGV*

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTSRPGV | Gas Valve (For CTA/CTS Pull Style) |
| HTTSRGVRK1S | Gas Valve (For Fusion, Big Foot, PCA/PCS Style) (For Single Stage) |

## Air Proving Switches

**SPACE-RAY**

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTSRPAPS | Air Proving Switch (For CTA/CTS Pull Style) |
| HTTSRBFAPS | Air Proving Switch (For Big Foot and Fusion Style) |
| HTTSRAPS | Air Proving Switch (For PCA/PCS Style) (125K BTU & 150K BTU) |

## Igniters

**SPACE-RAY**

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTSRPI | Igniter (For CTA/CTS Pull Style) |
| HTTSRI | Igniter (Fusion, Big Foot, PCA/PCS Style) |

## Ignition Cable

**SPACE-RAY**

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTSRIC | Ignition Cable (For Fusion, Big Foot, PCA/PCS Style |
| HTTSRPIC | Ignition Cable (For CTA/CTS Pull Style) |

## Flame Sensor
For Fusion, Big Foot,
PCA/PCS Style

**SPACE-RAY**

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTSRFS | Flame Sensor |

## Thermal Safety Wire
For Fusion, Big Foot,
PCA/PCS Style

**SPACE-RAY**

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTSRTSW | TISS Assembly |

## EZ Radiant Tube Heater Parts
### Blower Motor Assembly

Easy Radiant "Works"

| ITEM NO. | DESCRIPTION |
|---|---|
| HTEZBMBA | Blower Motor Assembly |

### Control Board

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTCZ2SCB | Control Board for 2 Stage |

### Gas Valves

*HTTVGV*     *HTTCZ2SGV*

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTVGV | Gas Valve for Single Stage |
| HTTCZ2SGV | Gas Valve for 2 Stage |

### Wiring Harness

| ITEM NO. | DESCRIPTION |
|---|---|
| HTEZWHS | Wiring Harness f/ Smart Valve |

## Air Proving Switch



Easy Radiant "Works"

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTEZBAPS | Air Proving Switch |

## Igniter



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTEZI | Igniter |

## Transformer



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTEZBT | Transformer |

## Flame Sensor



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTEZBFS | Flame Sensor |

## Orifices



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTERBO100 | 100 BTU Burner Orifice |
| HTERBO125 | 125 BTU Burner Orifice |

## Re-Verber-Ray Tube Heater Parts

### Blower Motor Assembly



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTRBMA | Blower Motor Assembly |

### Control Modules



HTTRVRCM2

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTRVRCM1 | Control Module for Single Stage |
| HTTRVRCM2O | Control Module for 2 Stage (Prior to 2008) |
| HTTRVRCM2 | Control Module for 2 Stage (2008 to Present) |

### Gas Valves



HTTRGV2

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTRGV | Gas Valve for Single Stage |
| HTTRGV2 | Gas Valve for 2 Stage |

### Air Proving Switch



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTRAP | Air Proving Switch |

### Igniter



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTRI | Igniter |

### Flame Sensor



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTTRFS | Flame Sensor |

## Tube Heater Maintenance Tips

### BEFORE EACH USE

- Check to ensure the surrounding area is free of debris and combustible materials.
- Inspect regulators to ensure the vents are not blocked. Insects, snow, ice, and other debris can cause excess pressure at the regulator.
- Check hoses and tubes for cracks, cuts, or Make sure reflector supports are properly placed and secure.
- Check the heater itself for damaged components, bolts or screws, or nicked or cut electrical leads, etc.

# Brooders

## Space Ray Brooders

**SPACE-RAY.**

### FEATURES

- Heating capacity of 30,000 BTU/hr
- Main burner head made of solid brass for added strength
- Maintenance friendly stainless steel "Wind-Buster" pilot system for flame stability and dependable ignition
- Stainless steel main burner gas line for strength and durability
- Easy leveling low profile mounting bracket
- Meets or exceeds the combustion levels required in CSA standard
- 46" Aluminum canopy as a standard for superior reflectivity

### Single Jet Brooder

- No electric required
- S.I.T. modulating control
- 46" Aluminum canopy
- Call for multiple control options

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTBSR30M4A | Single Jet 30,000 BTU Brooder/ Pilot Ignition |

## Single Jet 30,000 BTU Brooder Parts

### Single Jet 30,000 BTU Brooder Breakdown

| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|----------|-------------|----------------|
| HTBSR30BTM | Burner Tube | 1 |
| HTBSR30BTP | Pilot Tube | 2 |
| HTBSR30SB | Support Brace | 3 |
| HTBSR30C | Ceramic | 4 |
| HTBSR30CHS | Heat Shield for Ceramic | 5 |
| HTBSR30GVMB | Gas Valve Mounting Bracket | 6 |
| HTBSR30HC | Center Shield Hanger | 7 |
| HTBSR30HE | End Shield Hanger | 8 |
| HTBSRRCA46 | 46" Aluminum Reflector Canopy | 9 |
| HTBSR30CHR | Ceramic Holder Ring | 10 |
| HTBSR30PBP | Burner Pan | 11 |
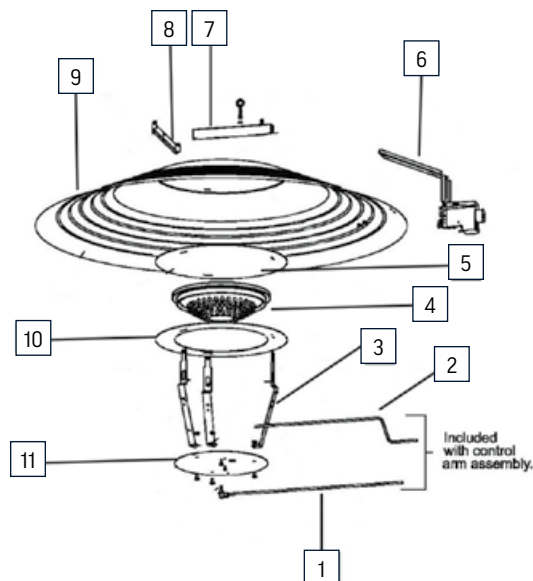
### Parts Not Listed on Parts Breakdown

HTBCSSC  HTBSRMVPTA  HTBSR30BFC  HTBSROP  HTBSR30OB  HTBSR30OEA  HTBSR30PHSA  HTBSR30PW

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTBSR30MGVA | Gas Valve Arm Assembly with S.I.T. Control |
| HTBCSSC | Gas Valve with S.I.T. Control |
| HTBSRMVPTA | Valve to Pilot Tube Adapter |
| HTBSR30BFC | Brass Burner Flame Chamber |
| HTBSROP | Pilot Orifice |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTBSR30OB | Burner Orifice |
| HTBSR30OEA | Elbow for Orifice |
| HTBSR30PHSA | Pilot Housing Sub-Assembly |
| HTBSR30PW | Pilot Windshield |
| HTBSR30HK | Hardware Pack |

## Radiant Brooders

### FEATURES

- 40,000 BTU model provides fuel efficient, radiant gas heat for a variety of poultry applications
- Built with heavy-duty corrosion resistant materials to resist corrosion from humidity and ammonia
- DSI models have an integral dual fuel regulator to easily convert between gas types with just an orifice to change
- Stainless steel, easy-to-clean burner

### HTBSR40GS – PILOT IGNITION

- No electricity required
- S.I.T. modulating control
- 35" Aluminum canopy

### HTBSR40AD – DSI

- DSI control
- Requires 24 volt power supply
- 35" Aluminum canopy

**Call for multiple control options.**

*40,000 BTU*

*42,000 BTU*

| ITEM NO. | DESCRIPTION |
| --- | --- |
| HTBSR40GS | Radiant 40,000 BTU Brooder/ Pilot Ignition |
| HTBSR40AD | Radiant 40,000 BTU Brooder/ DSI |
| HTBSR42ADL | Radiant 42,000 BTU Brooder/ DSI LoPro |

## 40,000 BTU Radiant Brooder Parts

### 40,000 BTU Radiant Brooder Parts Breakdown

All parts are for both pilot ignition/DSI except part 8 as noted below

| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
| --- | --- | --- |
| HTBSR40BP | Burner Pan | 1 |
| HTBSR40BT | Burner Tube | 2 |
| HTBSR40BB | Burner Base Assembly | 3 |
| HTBSR40EC | Emitter Cone with Stainless Steel Cap | 4 |
| HTBSRRCA35 | 35" Aluminum Reflector Canopy | 5 |
| HTBSR40MSB | Manifold Support Bracket | 6 |
| HTBSR40LH | Label Holder Plate | 7 |
| HTBSR40DSCBB | Mounting Brace for Control Box (For DSI only) | 8 |
| HTBSR40HB | Hanging Bracket | 9 |
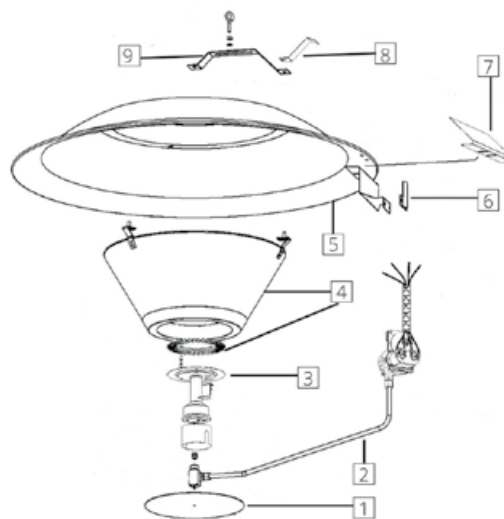
### Parts Not Listed on Parts Breakdown

*HTBCSSC*

*HTBSR40DSGV*

*HTBSRMVPTA*

*HTBSR40MPT*

*HTBSR40MPHSA*

*HTBSR40MPW*

*HTBSRPH*

| ITEM NO. | DESCRIPTION | PILOT / DSI |
| --- | --- | --- |
| HTBSR40MGVA | Gas Valve Arm Assembly with S.I.T. Control | Pilot |
| HTBSR40DSGVA | Gas Valve Arm Assembly with DSI Control | DSI |
| HTBCSSC | Gas Valve with S.I.T. Control | Pilot |
| HTBSR40DSGV | Gas Valve for DSI Brooder | DSI |

| ITEM NO. | DESCRIPTION | PILOT / DSI |
| --- | --- | --- |
| HTBSRMVPTA | Valve to Pilot Tube Adaptor | Pilot |
| HTBSR40MPT | Pilot Tube | Pilot |
| HTBSR40MPHSA | Pilot Housing Sub-Assembly | Pilot |
| HTBSR40MPW | Pilot Windshield | Pilot |
| HTBSRPH | Pilot Housing | Pilot |

# 40,000 BTU Radiant Brooder Parts

*Parts Not Listed on Parts Breakdown* (Continued)

**SPACE-RAY**

*HTBSROP*　　*HTBSR40OB*　　*HTBSR40OEA*　　*HTBSR40DSI*　　*HTBSR40DSIH*　　*HTBSR40DSCB*　　*HTBSR40DSCBMB*

| ITEM NO. | DESCRIPTION | PILOT / DSI |
|---|---|---|
| HTBSROP | Pilot Orifice | Pilot |
| HTBSR40OB | Burner Orifice | Pilot/DSI |
| HTBSR40OEA | Elbow for Burner Orifice | Pilot/DSI |
| HTBSR40DSI | Igniter | DSI |
| HTBSR40DSIH | Igniter Holder Bracket | DSI |

| ITEM NO. | DESCRIPTION | PILOT / DSI |
|---|---|---|
| HTBSRDSIC | Ignition Cable | DSI |
| HTBSR40DSCB | Control Box | DSI |
| HTBSR40DSCM | Control Module | DSI |
| HTBSR40DSCBMB | Mounting Bracket for Control Box | DSI |
| HTBSR40HK | Hardware Pack | Pilot / DSI |

# Brooder Parts

### HTT12024

- Input: 120 volt
- Output: 24 volt
- Wire leads

### HTBZCT

- Input: 120 volt
- Output: 12/24 volt

*HTBZCV*　　*HTBPSHP*　　*HTBPSSJ*　　*HTBPSVVJ*

*HTVB30CR*　　*HTVDSICM*

*HTTC30*　　*Gauging Bit*　　*HTVDSII*

*PCCS02*　　*PCCN02*　　*HTVDSIGV*　　*HTVDSIIC*
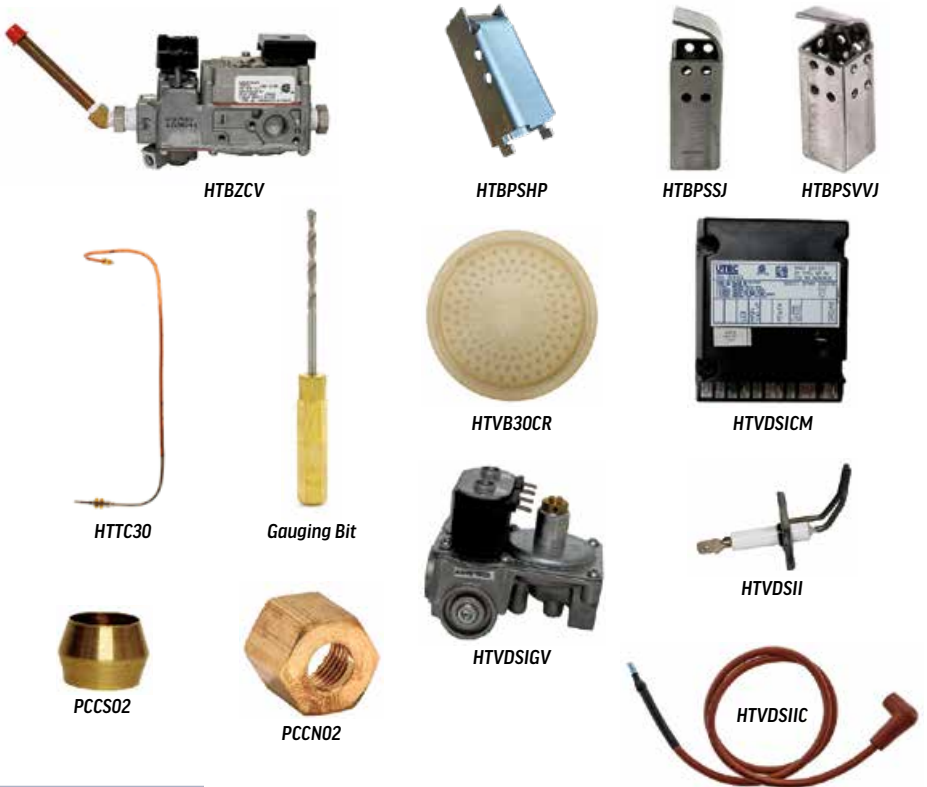
| ITEM NO. | DESCRIPTION |
|---|---|
| HTT12024 | Heater Transformer |
| HTBZCT | Brooder Zone Control Transformer |
| HTBZCV | Brooder Zone Control Valve |
| HTTC30 | 30" Thermo-Coupler |
| PCCN02 | ¼" Compression Nut |
| PCCS02 | ¼" Compression Sleeve |
| HTBOGB#54 | #54 Gauging Bit (For burner orifice) |
| HTBOGB#80 | #80 Gauging Bit (For pilot orifice) |
| HTBPSHP | Horizontal Pilot Shield |

| ITEM NO. | DESCRIPTION |
|---|---|
| HTBPSSJ | Pilot Shield (For Single Jet) |
| HTBPSVVJ | Pilot Shield (For Venturi Jet) |
| HTVB30CR | Ceramic |
| HTVDSICM | Control Module for DSI Brooder |
| HTVDSIGV | Gas Valve for DSI Brooder |
| HTVDSII | Ignitor for DSI Brooder |
| HTVDSIIC | Ignition Cable for DSI Brooder |
| HTVGB40ZCP | Zone Control Panel |

## L.B. White Infraconic Brooders

### FEATURES

- Larger, more consistent comfort zone
- Healthier lying patterns that minimize piling
- Better rates of gain
- Lower mortality
- Lower feed and medical costs
- Range of heat outputs and configurations
- Easy to install, easy to move, easy to maintain
- Safe, reliable performance

## L.B. White Infraconic Brooder Parts

HTLITC

HTLIGV

HTLIGH

HTLITH

HTLIFH
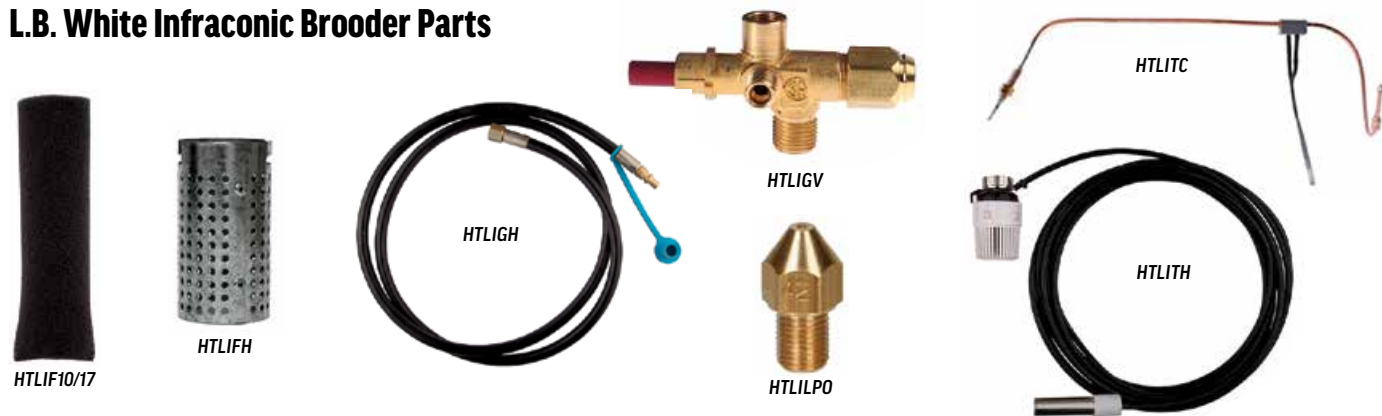
HTLILPO

HTLIF10/17

All parts in chart below are for I-17

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTLIF10/17 | Filter |
| HTLIFH | Filter Holder |
| HTLIGH | ¼" x 6' Gas Hose |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTLIGV | Gas Valve |
| HTLILPO | LP Orifice |
| HTLITC | Thermo Coupler |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTLITH | Thermostatic Head |

# Electric Heaters

## Heat Lamps

**LGHLB250C**

- R40
- 250 watt
- 120 volt

**LGHLB250R**

- R40
- 250 watt
- 120 volt

HTHLC

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGHLB250C | Clear Heat Lamp Bulb |
| LGHLB250R | Red Heat Lamp Bulb |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGHLS | Heat Lamp Socket |
| HTHLC | Heat Lamp with Clamp |

## Heat Mats

Kane Heat Mats are designed for a large variety of uses:
from hog farrowing crates, to dog kennels, and whelping boxes,
and even for your favorite reptile!

- Provides a large heated area for baby pigs to rest and sleep
- Works as a draft barrier on wire flooring
- Traction designed, non-slip surface
- Easy to clean, durable polyethylene construction
- Double mats have a recess for pen divider
- 80% more efficient than heat lamps
- 115/230 VAC
- Without a controller, the heat mat will operate at 37° F. above ambient temperature

*HTEMKD2736*

*HTEMKD2748*

| ITEM NO. | DESCRIPTION |
|---|---|
| HTEMKD2736 | 27" x 36" Double Heat Mat |
| HTEMKD2748 | 27" x 48" Double Heat Mat |

### Rheostat

- Low setting puts mat at 20-22° F. above ambient temperature
- Rheostat plugs into 110V outlet
- Heat mat plugs into the bottom of the rheostat
- 300 watt

| ITEM NO. | DESCRIPTION |
|---|---|
| HTMR | Rheostat |

Friendly and knowledgeable staff that always greets you with a smile. The prices are great as well as the selection of farm and ag products.

~Google Review~

## Room Heaters

### Electric Baseboard Heater

- 48"
- 240 volt
- 1,000 watt

| ITEM NO. | DESCRIPTION |
|---|---|
| HTEBB48 | Electric Baseboard Heater |

### Thermostat
For electric baseboard heater

| ITEM NO. | DESCRIPTION |
|---|---|
| HTEBBT | Thermostat |

### Electric Hanging Heater

- 12,600/17,000 BTU
- 208/240 volt
- 1 or 3 phase

| ITEM NO. | DESCRIPTION |
|---|---|
| HTHE17000 | Electric Hanging Heater |

### Red Flame Wall Mount Heater

- LP/NG
- 28,000/30,000 BTU
- Heats up to 1,400 sq. ft.
- Push button ignition with thermostat control
- Vent-free
- Blower included

| ITEM NO. | DESCRIPTION |
|---|---|
| HTWMRP30 | Red Flame Wall Mount Heater |

# Service

## Panels



*Disconnect*　　　　　　*Panel*

| ITEM NO. | DESCRIPTION |
|---|---|
| EL12520MLP | 125A 20C Main Lug Panel |
| ELMLP12530 | 125A 30C Main Lug Panel |
| ELMLP20040 | 200A 40C Main Lug Panel |
| ELMLP22554 | 225A 54C Main Lug Panel |
| EL200ADCN2 | 200 Amp Main Disconnect – NEMA 1/ Indoor |
| EL200ADCN3 | 200 Amp Main Disconnect – NEMA 3/ Outdoor |

## Breakers



*Single Breaker*　　　*Double Breaker*

### Single

| ITEM NO. | DESCRIPTION |
|---|---|
| ELBW115 | 15 Amp Single Pole Breaker – Siemens |
| ELBS115 | 15 Amp Single Pole Breaker – Square D – QO series |
| ELBW120 | 20 Amp Single Pole Breaker – Siemens |
| ELBS120 | 20 Amp Single Pole Breaker – Square D – QO series |
| ELBW130 | 30 Amp Single Pole Breaker – Siemens |

### Double

| ITEM NO. | DESCRIPTION |
|---|---|
| ELBW215 | 15 Amp Double Pole Breaker – Siemens |
| ELBS215 | 15 Amp Double Pole Breaker – Square D – QO series |
| ELBW220 | 20 Amp Double Pole Breaker – Siemens |
| ELBS220 | 20 Amp Double Pole Breaker – Square D – QO series |
| ELBW230 | 30 Amp Double Pole Breaker – Siemens |
| ELBW240 | 40 Amp Double Pole Breaker – Siemens |
| ELBW250 | 50 Amp Double Pole Breaker – Siemens |
| ELBW260 | 60 Amp Double Pole Breaker – Siemens |
| ELBW270 | 70 Amp Double Pole Breaker – Siemens |
| ELBW2100 | 100 Amp Double Pole Breaker – Siemens |

## Wire Trough



| ITEM NO. | DESCRIPTION |
|---|---|
| ELGT664 | 6 x 6-4' Wire Trough – Painted |
| ELGT666 | 6 x 6-6' Wire Trough – Painted |

## Trough Connectors

| ITEM NO. | DESCRIPTION |
|---|---|
| ELWTC6 | 6 x 6 Wire Trough Connector – Painted |

## End Caps

| ITEM NO. | DESCRIPTION |
|---|---|
| ELGTEC6 | 6" End Cap for Wire Trough – Painted |

## Grounding



| ITEM NO. | DESCRIPTION |
|---|---|
| ELCGR8 | 8' Copper Ground Rod |
| ELGRC | Ground Rod Clamp |

## Underground Wire



| ITEM NO. | DESCRIPTION |
|---|---|
| WR250MCMA | 250 MCM Aluminum Wire |

Get all your poultry, hog and dairy barn needs here. They also have 24 hour emergency services available! Excellent hardware store, helpful and friendly service.

*~Google Review~*

# Conduit & Wire

## Conduit

All electrical conduit is schedule 40 and comes in 10' sections. Pricing is per ft.

| ITEM NO. | DESCRIPTION |
|---|---|
| PPE05 | ½" PVC Conduit |
| PPE07 | ¾" PVC Conduit |
| PPE1 | 1" PVC Conduit |
| PPE12 | 1¼" PVC Conduit |
| PPE15 | 1½" PVC Conduit |
| PPE2 | 2" PVC Conduit |
| PPE212 | 2½" PVC Conduit |
| PPE3 | 3" PVC Conduit |
| PPE4 | 4" PVC Conduit |

## Flex Conduit

Pricing is per ft.

| ITEM NO. | DESCRIPTION |
|---|---|
| ELFC05 | ½" Seal Tight Flex Conduit |
| ELFC07 | ¾" Seal Tight Flex Conduit |

## Expansion Joints

| ITEM NO. | DESCRIPTION |
|---|---|
| ELSC05 | ½" Expansion Joint |
| ELSC07 | ¾" Expansion Joint |
| ELSC1 | 1" Expansion Joint |
| ELSC12 | 1¼" Expansion Joint |
| ELSC2 | 2" Expansion Joint |

## 2 Hole Straps

*PVC*

*METAL*

### PVC

| ITEM NO. | DESCRIPTION |
|---|---|
| ELCS05 | ½" 2-Hole PVC Conduit Strap |
| ELCS07 | ¾" 2-Hole PVC Conduit Strap |
| ELCS1 | 1" 2-Hole PVC Conduit Strap |
| ELCS12 | 1¼" 2-Hole PVC Conduit Strap |
| ELCS15 | 1½" 2-Hole PVC Conduit Strap |
| ELCS2 | 2" 2-Hole PVC Conduit Strap |
| ELCS25 | 2½" 2-Hole PVC Conduit Strap |

### Metal

| ITEM NO. | DESCRIPTION |
|---|---|
| EL2HMS2 | 2" 2-Hole Metal Strap |
| EL2HMS212 | 2½" 2-Hole Metal Strap |
| EL2HMS3 | 3" 2-Hole Metal Strap |
| EL2HMS4 | 4" 2-Hole Metal Strap |

## Couplings

| ITEM NO. | DESCRIPTION |
|---|---|
| ELC05 | ½" PVC Conduit Coupling |
| ELC07 | ¾" PVC Conduit Coupling |
| ELC10 | 1" PVC Conduit Coupling |
| ELC125 | 1¼" PVC Conduit Coupling |
| ELC15 | 1½" PVC Conduit Coupling |
| ELC20 | 2" PVC Conduit Coupling |
| ELC212 | 2½" Conduit Coupling |
| ELC3 | 3" PVC Conduit Coupling |
| ELC4 | 4" PVC Conduit Coupling |

## Click Straps

| ITEM NO. | DESCRIPTION |
|---|---|
| ELCPH12 | ½" Click Pipe Hanger |
| ELCPH34 | ¾" Click Pipe Hanger |
| ELCPH1 | 1" Click Pipe Hanger |
| ELCPH114 | 1¼" Click Pipe Hanger |

## Line Boxes

| ITEM NO. | DESCRIPTION |
|---|---|
| ELLB05 | ½" LB |
| ELLB07 | ¾ LB |
| ELLLB1 | 1" LB |
| ELLLB125 | 1¼" LB |
| ELLB15 | 1½" LB |
| ELLLB2 | 2" LB |
| ELLB212 | 2½" LB |
| ELLB3 | 3" LB |

## Access Tees

| ITEM NO. | DESCRIPTION |
|---|---|
| ELAT05 | ½" Access Tee |
| ELAT07 | ¾" Access Tee |
| ELAT10 | 1" Access Tee |
| ELAT125 | 1¼" Access Tee |
| ELAT15 | 1½" Access Tee |
| ELAT2 | 2" Access Tee |

## PVC Anybodies

| ITEM NO. | DESCRIPTION |
|---|---|
| ELAB05 | ½" PVC Anybody |
| ELAB07 | ¾" PVC Anybody |
| ELAB10 | 1" PVC Anybody |

## Elbows

### *90° Sweep Elbows*

| ITEM NO. | DESCRIPTION |
|---|---|
| ELL05 | ½" Sweep Elbow |
| ELL07 | ¾" Sweep Elbow |
| ELL1 | 1" Sweep Elbow |
| ELL125 | 1¼" Sweep Elbow |
| ELL15 | 1½" Sweep Elbow |
| ELL2 | 2" Sweep Elbow |
| ELL212 | 2½" Sweep Elbow |

## Adapters

### *Male*

| ITEM NO. | DESCRIPTION |
|---|---|
| ELMA05 | ½" Male Adapter |
| ELMA07 | ¾" Male Adapter |
| ELMA10 | 1" Male Adapter |
| ELMA125 | 1¼" Male Adapter |
| ELMA15 | 1½" Male Adapter |
| ELMA20 | 2" Male Adapter |
| ELMA212 | 2½" Male Adapter |
| ELMA3 | 3" Male Adapter |
| ELMA4 | 4" Male Adapter |

## Adapters

### *Female*

| ITEM NO. | DESCRIPTION |
|---|---|
| ELFA05 | ½" Female Adapter |
| ELFA34 | ¾" Female Adapter |
| ELFA1 | 1" Female Adapter |
| ELFA4 | 4" Female Adapter |

## Bushings
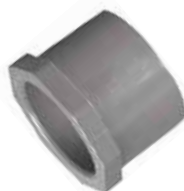
| ITEM NO. | DESCRIPTION |
|---|---|
| ELB0705 | ¾" x ½" Bushing |
| ELB107 | 1" x ¾" Bushing |

## Threaded Bushings

| ITEM NO. | DESCRIPTION |
|---|---|
| ELTB05 | ½" Threaded Bushing |
| ELTPB07 | ¾" Threaded PVC Bushing |
| ELTPB1 | 1" Threaded PVC Bushing |
| ELTPB12 | 1¼" Threaded PVC Bushing |
| ELTB15 | 1½" Threaded Bushing |
| ELTPB20 | 2" Threaded PVC Bushing |
| ELTPB25 | 2½" Threaded PVC Bushing |
| ELTPB3 | 3" Threaded PVC Bushing |
| ELTPB4 | 4" Threaded PVC Bushing |

## Lock Nuts

| ITEM NO. | DESCRIPTION |
|---|---|
| ELLN05 | ½" Lock Nut |
| ELLN07 | ¾" Lock Nut |
| ELLN1 | 1" Lock Nut |
| ELLN125 | 1¼" Lock Nut |
| ELLN15 | 1½" Lock Nut |
| ELLN2 | 2" Lock Nut |
| ELLN212 | 2½" Lock Nut |
| ELLN3 | 3" Lock Nut |
| ELLN4 | 4" Lock Nut |

## Seal Tight Adapters

| ITEM NO. | DESCRIPTION |
|---|---|
| ELSTA12 | ½" Seal Tight Adapter |
| ELSTA1290 | ½" 90° Seal Tight Adapter |
| ELSTA34 | ¾" Seal Tight Adapter |
| ELSTA3490 | ¾" 90° Seal Tight Adapter |

## Sealed Box Connectors

| ITEM NO. | DESCRIPTION |
|---|---|
| ELSPBC05 | ½" Plastic Sealed Box Connector |
| ELSPBC07 | ¾" Plastic Sealed Box Connector |

## Boxes


ELB2X4PN


ELB2X4P


Plastic Box


ELPB2434FSE


ELPB441FSE


ELFBM


ELFBP


LGSFSAJB


ELMB442MBMC

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELB2X4PN | 2 x 4 Plastic Nail-on Box |
| ELB2X4P | 2 x 4 Plastic Handy Box |
| ELPB442 | 4 x 4 x 2 Plastic Box |
| ELPB664 | 6 x 6 x 4 Plastic Box |
| ELPB884 | 8 x 8 x 4 Plastic Box |
| ELPB12126 | 12 x 12 x 6 Plastic Box |
| ELPB2434FSC | 2 x 4 PVC Box ¾" FSC |
| ELPB2434FSE | 2 x 4 PVC Box ¾ FSE |
| ELPB441FSC | 4 x 4 PVC Box 1" FSC |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELPB441FSE | 4 x 4 PVC Box 1" FSE |
| ELPB461FSC | 4 x 6 PVC Box 1" FSC |
| ELPB461FSE | 4 x 6 PVC Box 1" FSE |
| ELFBM | 4" Metal Fixture Box Octagon |
| ELFBP | 4" Plastic Fixture Box Octagon |
| LGSFSAJB | 4" Junction Box for Sealed Light Fixture |
| ELMB442MBMC | 4 x 4 x 2 Metal Box – Comes with Mount Brackets & MC Connector |

## Box Covers


ELPBC244


ELPBC24H

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELPBC244 | Blank Plastic Cover for 2 x 4 FS Box |
| ELPBC24H | Blank Plastic Cover for 2 x 4 Handy Box |

## Wire

All wire pricing is per foot.

### Stranded Wire

10, 12, 14 gauge is available in black, red, white, green, purple, pink, orange, brown, yellow, blue, & gray.

Other gauges are available in various colors



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WR2ST | 2 Gauge Stranded Wire |
| WR4ST | 4 Gauge Stranded Wire |
| WR6ST | 6 Gauge Stranded Wire |
| WR8ST | 8 Gauge Stranded Wire |
| WR10ST | 10 Gauge Stranded Wire – $.21/500' roll |
| WR12ST | 12 Gauge Stranded Wire – $.14/500' roll |
| WR14ST | 14 Gauge Stranded Wire – $.10/500' roll |

### SJ Cord

- Price per foot
- SJOOW Cord



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WR123SJ | 12-3 SJ Cord |
| WR143SJ | 14-3 SJ Cord |
| WR144SJ | 14-4 SJ Cord |

## Shielded Sensor Wire

| ITEM NO. | DESCRIPTION |
|---|---|
| WR182S | 18-2 Shielded Wire – $.13/1000' roll |
| WR184S | 18-4 Shielded Wire – $.23/1000' roll |
| WR186S | 18-6 Shielded Wire – $.40/1000' roll |
| WR188S | 18-8 Shielded Wire – $.63/1000' roll |
| WR1812S | 18-12 Shielded Wire – $.86/1000' roll |

## Computer Wire

Conductor is solid annealed bare copper. Suitable for high speed data transmission up to 100 mhz.

| ITEM NO. | DESCRIPTION |
|---|---|
| WRC54P | 4 PR CAT 5 Computer Wire |

## MC Wire

*WRMCC05T*　*WRMCC05TD*

| ITEM NO. | DESCRIPTION |
|---|---|
| WR122MC | 12-2 MC Wire |
| WRMCC05T | ½" Threaded MC Wire Connector |
| WRMCC05TD | ½" Threaded Double MC Wire Connector |
| ELMMR441 | 4 x 4 Metal Mud Ring Single Gang |
| ELMMR442 | 4 x 4 Metal Mud Ring 2-Gang |
| OG6109904 | 8" Grounding Pigtail – pack of 10 |

## Romex Wire

*#12 Wire*　*#14 Wire*

| ITEM NO. | DESCRIPTION |
|---|---|
| WR14-2 | 14-2 Romex Wire |
| WR14-3 | 14-3 Romex Wire |
| WR12-2 | 12-2 Romex Wire |
| WR123 | 12-3 Romex Wire |

## Romex Connectors

| ITEM NO. | DESCRIPTION |
|---|---|
| ELRCO5 | ½" Romex Connector |
| ELRCO7 | ¾" Romex Connector |

## Electrical Staples

| ITEM NO. | DESCRIPTION |
|---|---|
| ELS12 | ½" Electrical Staple |

## Wire Pulling Lubricant

The Klein Tools foam wire pulling lubricant means no drips, stains or messes. Applies easily using an included dispensing tube, even upwards into a vertical conduit with little or no mess. One aerosol can is the equivalent of 1 gal. or 4 qt. of typical gel or wax lubricant (based on job site pulls with foam in ¾ in. conduit when used as directed).

### FEATURES

- 4-times greater yield than gels or waxes
- Coats better and is 30% more slippery than gel or wax lubricants
- No mess formula stays where it is applied and wipes clean from hands and fabric
- Dispensing guide on the can label
- Dispensing tube included
- 19 oz. aerosol can

| ITEM NO. | DESCRIPTION |
|---|---|
| ELWRLF19 | Foam Wire Pulling Lubricant |

## Wire Nuts

*ELWNSB*　*ELWNR*　*ELWNT*

| ITEM NO. | DESCRIPTION |
|---|---|
| ELWNSB | Small Blue Wire Nut |
| ELWNR | Red & Yellow Wire Nut |
| ELWNT | Tan Wire Nut |

## Crimp Terminals

Our terminals make connecting wires quick and easy. Whether it is securing to a bolt or stud, splicing or repairing wires or making quick connections, our terminals are there for all your application needs in any type of environment.

*ELCFT10-12*　*ELCFT16-14*　*ELCRT10-12*

*ELCTFQA1871614*

*ELCTFQA2502216*

*ELCTFQA1872218*　*ELCTFQA2501614*
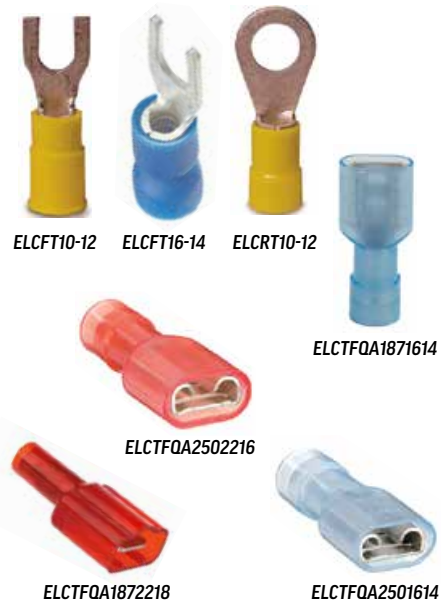
| ITEM NO. | DESCRIPTION |
|---|---|
| ELCFT16-14 | Fork Terminal 16-14GA |
| ELCFT10-12 | Fork Terminal 10-12GA |
| ELCRT10-12 | Ring Terminal 10-12GA |
| ELCTFQA1871614 | Quick Attach Terminal 16-14GA x .187 |
| ELCTFQA1872218 | Quick Attach Terminal 22-18GA x .187 |
| ELCTFQA2501614 | Quick Attach Terminal 16-14GA x .250 |
| ELCTFQA2502216 | Quick Attach Terminal 22-16GA x .250 |

## Crimps

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELGC | Gel Crimps |

## ScotchLok™ Connector

- Dual element connection
- Flame retardant
- Maximum insulation O.D.: 0.145" (3.68 mm), tap 0.190" (4.82 mm), Run awg (mm2)
- Wire range: 18-14 (0.75-1.5 mm), tap 12-10 (2.5-4.0 mm) run solid/stranded
- Operating temp.: 221 degree Fahrenheit (105 degree Celsius)

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELSL1218 | ScotchLok Connector 12-18 |

## Cords

HTTHC

### 14/3 Cords

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELC9120 | 118" 14/3 Cord w/ 120V Molded Plug |
| ELC9240 | 118" 14/3 Cord w/ 240V Molded Plug |
| HTTHC | 96" Piggy Back Thermostat Cord |

## Electrical Tape

ELT3MB    ELT3MBL    ELT3MBR    ELT3MG    ELT3MO

ELT3MP    ELT3MR    ELT3MW    ELT3MY

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELT3MB | Black 3M Electrical Tape |
| ELT3MBL | Blue 3M Electrical Tape |
| ELT3MBR | Brown 3M Electrical Tape |
| ELT3MG | Green 3M Electrical Tape |
| ELT3MO | Orange 3M Electrical Tape |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELT3MP | Purple 3M Electrical Tape |
| ELT3MR | Red 3M Electrical Tape |
| ELT3MW | White 3M Electrical Tape |
| ELT3MY | Yellow 3M Electrical Tape |

## Plugs

### Male

ELMP12015A

ELMP22015

Male Twist Lock Plug

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELMP12015A | 15 Amp 120V Male Plug |
| ELMP22015 | 15 Amp 220V Male Plug – 2 prongs turned flat |
| ELMP12015TL | 15 Amp 120V Male Twist Lock Plug |
| ELMP24020TW | 20 Amp 240V Male Twist Lock Plug |
| ELMP24020TL3 | 20 Amp 240V 3 Pole Male Twist Lock Plug |

### Female

ELFP22015

ELFP12015A

Female Twist Lock Plug

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELFP12015A | 15 Amp 120V Female Plug |
| ELFP22015 | 15 Amp 220V Female Plug – 2 prongs turned flat |
| ELFP12015TL | 15 Amp 120V Female Twist Lock Plug |
| ELFP24020TW | 20 Amp 240V Female Twist Lock Plug |
| ELFP24020TL3 | 20 Amp 240V 3 Pole Female Twist Lock Plug |

# Switches & Relays

## Receptacles

*110V Double*

*220V Single*

*GFI*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELR110 | 110V 20 Amp Duplex Receptacle |
| ELR22020A | 220V 20 Amp Single Receptacle |
| ELRGFI110200 | 120V 20 Amp Outdoor GFI Receptacle |

## Receptacle Covers

*ELPCWRD1*

*ELPCWRD2*

*ELPCWSR*

*ELSSWRCDG*

*ELSDC24P*

*ELSRCMA*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELPCWRS1S | Plastic 1 Gang Single Receptacle Cover |
| ELPCWRD1 | Plastic 1 Gang Duplex Receptacle Cover |
| ELPCWRD2 | Plastic 2 Gang Duplex Receptacle Cover |
| ELPCWSR | Plastic Switch/Receptacle Cover |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELSSWRCDG | Sealed Lever Switch/ Receptacle Cover |
| ELSDC24P | Sealed Duplex Receptacle Cover – 2 door |
| ELSRCMA | Sealed Duplex Receptacle Cover – 1 door – Clear Cover, Door may be shut with cord plugged in |

## Light Switches

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELS15A1P | Single Pole Light Switch 15 Amp |
| SWL3W | 3 Way Single Pole Light Switch 15 Amp |
| SWL1P20 | Single Pole Light Switch 20 Amp |
| SWL2P15 | Double Pole Light Switch 15 Amp |

## Light Switch Covers

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELPCWS1 | Plastic 1 Gang Switch Cover |
| ELPCWS2 | Plastic 2 Gang Switch Cover |

## Lever Switch Covers

*ELSSWCSG*

*ELSSC2SW*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELSSWCSG | Sealed Lever Switch Cover 1 Gang |
| ELSSC2SW | Sealed Lever Switch Cover 2 Gang |

## Plug In Transformer

- Output Voltage: 16.5 VAC
- Input Voltage: 115 VAC
- Connection Type: Screw Terminal



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ELT12016 | Transformer 120 VAC Prim. 16 VAC Sec. |

## Reversing Drum Switch

- HP @ 1 Phase 115V: 1.5
- HP @ 1 Phase 240V: 2
- HP @ 115 VDC: ¼
- HP @ 230 VDC: ¼



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWDS | Reversing Drum Switch |

## Scraper Limit Switch

This general purpose, enclosed limit switch is engineered to offer both high breaking capacity and high durability. It features a rubber boot and clamping band on its head seal. It also features side-mounting bolts, die-cast housing, and a large switch cavity.



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWSL | Scraper Limit Switch |

## Prox Switches



SWPRP

SWPRCPD

SWPRCD

SWPRPMA

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWPRP | Prox Switch |
| SWPRCD | Capacitive Prox Switch w/ Delay |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWPRCPD | Prox Switch for Control Pan w/ Delay |
| SWPRPMA | Prox Switch Mount Adaptor |

## Toggle Switches

| ITEM NO. | DESCRIPTION | USES |
|----------|-------------|------|
| SWSPSTT | Single Pole Single Throw Toggle Switch | |
| SWSPDTT | Single Pole Double Throw Toggle Switch | |
| SWSPSTTM | Single Pole Toggle Switch Momentary Off | Appliances, equipment, power tools, lighting control, & other switching functions. |
| SWSPSTTMO | Single Pole Toggle Switch Momentary On | |
| SWDPSTT | Double Pole Single Throw Toggle Switch | |
| SWDPSTTPPH | Double Pole Single Throw Toggle Switch | For Val-Co Auger Power Head |
| SWDPDTT | Double Pole Double Throw Toggle Switch | Appliances, equipment, power tools, lighting control, & other switching functions. Tab is ¼" quick connect. Includes mounting nut. |
| SWDPDTTM | Double Pole Double Throw Toggle Switch Momentary | |
| SW3PST | 3 Pole Single Throw Toggle Switch | ¾ HP @ 125 to 250 VAC; Operating Temp: 32 Degrees to 185 Degrees F; Number of Connections: 6; Amps: 10A @ 250 VAC, 15A @ 125 VAC |
| SW4PDT | 4 Pole Double Throw Toggle Switch | Number of Connections: 9; AC Contact Rating 15A @ 125 VAC, 10A @ 250 VAC; HP: ¾ |



SWSPDTT

SWSPSTT

SWSPSTTM, SWSPSTTMO

SWDPSTTPPH

SW3PST

SW4PDT

## Snap Action Switch

- AC Contact Rating: 15A @ 240V
- Electrical Connection: ¼" Quick Connect

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWLASP | Cherry Switch Long Arm Spade |

## SafeTrac Winch Limit Switch

This miniature snap action switch features a simulated roller lever actuator.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWMMSR | Limit Switch For SafeTrac Winch |

## Mini Micro Switches

- AC Contact Rating: 10 A @ 240V
- Electrical Connection: ³⁄₁₆" Quick Connect

*SWMMAC*

*SWMMLA*

*SWMMR*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWMMAC | Mini Micro Switch Plain Arm Cherry |
| SWMMLA | Mini Micro Switch Long Arm |
| SWMMR | Mini Micro Switch w/ Roller |

## Precision Micro Switch

- AC Contact Rating: 15 A @ 480V
- Electrical Connection: Screw

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWPRA | Precision Micro Switch w/ Roller Arm |

## Long Arm Micro Switch

- AC Contact Rating: 15 A @ 480V
- DC Contact Rating: 15 A @ 14V
- Electrical Connection: Screw

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SW6X284 | Micro Switch Long Arm Screw Terminal |

## Large Button Micro Switch

- AC Contact Rating: 15 A @ 480V
- DC Contact Rating: 15 A @ 14V
- Electrical Connection: Screw

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SW6X286 | Micro Switch Large Button |

## Hopper Level Micro Switch

Switch for Val-Co Hopper Level Switch

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWFCB | Hopper Level Micro Switch |

**Not sure which switch you need?**
Call our offices and one of our parts salesmen will be glad to help you select the right switch to fit your needs!

## Micro Switch for CT Inlet Winch

- Certified with CSA, ENEC, and UL for global acceptability
- Electrical ratings from 0.1 A up to 25 A for design flexibility in one package size
- Best suited for higher cost-of-failure applications
- Designed for 100K operations at a full load or 10M for mechanical life
- Current rating ranges from 0.1 A to 25 A

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWMMMASR | Mini Micro Switch Simulated Roller Med. Arm |

## Switch for Auger Power Head

*SWDPPH*

*SWPPHSS*

Switch also for Big Dutchman Fluxx Control Pan

*SWPPHSSN*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWDPPH | Switch Diaphragm for Val-Co Power Head |
| SWPPHSS | Safety Switch for Val-Co Power Head |
| SWPPHSSN | New Style Safety Switch / Val-Co Power Head |

## Switch for Mechanical Control Pan

- AC Contact Rating: 21 A @ 240V
- Terminal Type: Quick Connect

*SWFMCPN*

*SWPECP*  Also compatible with ChoreTime

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWFMCPN | New Switch for Fuze Mechanical Control Pan |
| SWPECP | Val-Co End Control Pan Switch |

## Hopper Level Switches

*SWHLA*

*SWHLBA*

*SWHLD*

**HOPPER LEVEL SWITCH DIAPHRAGM**

Used with both Big Dutchman & Val-Co hopper level switches.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWHLA | Val-Co Adjustable Hopper Level Switch |
| SWHLBD | Big Dutchman Feed Hopper Level Switch |
| SWHLD | Hopper Level Switch Diaphragm |

## Weathertight Switch

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWWCCA | Weathertight Switch f/ AVS Cane Switch |

## Switch for Bin Scale

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SW5000BS | Switch for 5000 lb. Bin Scale |

## Inlet Equalizer Switch

- AC Contact Rating: 15 A @ 480V
- DC Contact Rating: 15 A @ 250V
- Electrical Connection: Screw Terminals

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWIE | Inlet Equalizer Switch |

## Spinks Beam Scale Switch

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWMSS | Magnetic Switch for Spinks Beam Scale |

## CT Round Feed Control Switch

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWRFC | Switch for CT Round Feed Control |

## Limit Switch For Rooster Scale

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWRSLS | Roller Arm Limit Switch f/ Rooster Scale |

## Snap Action Switch

Switch for Big Dutchman Hopper Level Switch

- 15 A @ 125/250 VAC
- 10 A @ 500 VAC
- 0.5 A @ 125 VDC
- 0.25 A @ 250 VDC
- Single Pole Double Throw

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWSPDTPR | Roller Plunger Snap Action Switch |

## Momentary Switches

- Contact Rating: 10 A @ 600 VAC
- Terminal Connection: Pressure Plate

This miniature pushbutton switch is designed for use with shallow back panel applications including alarms, warning devices, and test equipment.

AC Contact Rating:

- 16 A @ 125 VAC
- 10 A @ 250 VAC

*SWPBMB*

*SWPBMO*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SWPBMB | Push Button Momentary Switch w/ Contact |
| SWPBMO | Push Button Momentary Switch |

# Indicator Lights

## Green

| ITEM NO. | DESCRIPTION |
|---|---|
| ELILG12V22MM | Green Indicator Light 12V AC/DC 22mm |
| ELILG24V22MM | Green Indicator Light 24V AC/DC 22mm |
| ELILG120V22MM | Green Indicator Light 120V AC/DC 22mm |
| ELILG240V22MM | Green Indicator Light 240V AC/DC 22mm |

## Red

| ITEM NO. | DESCRIPTION |
|---|---|
| ELILR12V22MM | Red Indicator Light 12V AC/DC 22mm |
| ELILR24V22MM | Red Indicator Light 24V AC/DC 22mm |
| ELILR120V22MM | Red Indicator Light 120V AC/DC 22mm |
| ELILR240V22MM | Red Indicator Light 240V AC/DC 22mm |

# Momentary Buttons

*ELBMB30MM*

*ELBMG30MM*

*ELBMR30MM*

| ITEM NO. | DESCRIPTION |
|---|---|
| ELBMB30MM | Black Momentary Button 30mm |
| ELBMG30MM | Green Momentary Button 30mm |
| ELBMR30MM | Red Momentary Button 30mm |

# Emergency Stop Button

| ITEM NO. | DESCRIPTION |
|---|---|
| ELBES30MM | E-Stop Button 30mm |

# Contact Blocks

For 30mm Buttons

*ELBCB2NC*　　*ELBCB2NO*

| ITEM NO. | DESCRIPTION |
|---|---|
| ELBCB2N/C | Contact Block, 2 – N/C Contacts & Adapter |
| ELBCB2N/O | Contact Block, 2 – N/O Contacts & Adapter |

# Selector Switches

Designed for industrial applications, these lever-operated switches feature simplicity of setup, flexibility, and robust construction. Use in machine manufacturing, automotive assembly, textile production, timber processing, and control system panels for public works and airports.

| ITEM NO. | DESCRIPTION |
|---|---|
| SW2PSS | 2 Position Selector Switch – 30mm |
| SW3PSS | 3 Position Selector Switch – 30mm |

# Potentiometers

*POTENTIOMETER*　　*KNOB*

| ITEM NO. | DESCRIPTION |
|---|---|
| ELP5K | 5K Potentiometer Dust Tight |
| ELP5K10T | 5K Potentiometer 10 Turn f/ Equalizer |
| ELP10K | 10K Potentiometer Dust Tight |
| ELPK | Potentiometer Knob |

# Surge Protector

- 120/240 Volt
- 100,000 Amp Peak Protection

| ITEM NO. | DESCRIPTION |
|---|---|
| ELSPDCM | Ditek Surge Protector |

## Disconnect Switches

- Disconnect Switch
- Non-Fused
- Door Mount
- 3 Poles - 25 Amp

| ITEM NO. | DESCRIPTION |
|---|---|
| ELDS3PDM | 3 Pole 25 Amp Disconnect Switch – Door Mount |

# Disconnects

| ITEM NO. | DESCRIPTION |
|---|---|
| ELFD2PP | 240V Plastic Fused Disconnect – 30 Amps, NEMA 3R |
| ELD2PP | 240V Plastic Non-Fused Disconnect – 60 Amp |

# Fuses

## Cartridge Fuses

| ITEM NO. | DESCRIPTION |
|---|---|
| FSCF06 | 6¼ Amp FRN-R Cartridge Fuse |
| FSCFT08 | 8 Amp FRN-R Cartridge Fuse |
| FSC10NON | 10 Amp FRN-R Cartridge Fuse |
| FSC15 | 15 Amp FRN-R Cartridge Fuse |
| FSCF20 | 20 Amp FRN-R Cartridge Fuse |

## Plug Fuses

AC Voltage Rating: 125 VAC

| ITEM NO. | DESCRIPTION |
|---|---|
| FST05 | 5 Amp Plug Fuse |
| FST06 | 6¼ Amp Plug Fuse |
| FST08 | 8 Amp Plug Fuse |
| FST10 | 10 Amp Plug Fuse |
| FST12 | 12 Amp Plug Fuse |
| FST15 | 15 Amp Plug Fuse |
| FST20 | 20 Amp Plug Fuse |
| FST25 | 25 Amp Plug Fuse |
| FST30 | 30 Amp Plug Fuse |

## Relays and Contactors

### 8 Pin Round Base Relays



*TMD8PR120*    *RLB8R*    *TMCT1A368*

*8 Pin Round Base Relay*

#### 8 PIN ROUND BASE RELAYS

| ITEM # | RL8PR120 | RL8PR240 | RLB8R | TMCT1A368 | TMD8PR120 |
|---|---|---|---|---|---|
| Coil Volts | 120 VAC | 240 VAC | | 240 VAC | 120 VAC |
| AC Contact Rating | 10A @ 277V | 10A @ 277V | 15A @ 300 VAC 10A @ 600 VAC | 10A @ 240V | |
| DC Contact Rating | 10A @ 28V | 10A @ 28V | | 10A @ 30V | |

| ITEM NO. | DESCRIPTION |
|---|---|
| RL8PR120 | 8 Pin 120V Relay – Round Base |
| RL8PR240 | 8 Pin 240V Relay – Round Base |
| RLB8R | 8 Pin Relay Base – Round Base |
| TMCT1A368 | 8 Pin 120-240V Cycle Timer Relay – Round Base with 1.8 – 180 Second Cycle Timer |
| TMD8PR120 | 8 Pin 120V Delay Relay – Round Base |

### 8 Pin Square Base Relays



#### 8 PIN SQUARE BASE RELAYS

| ITEM # | RL8PS12VD | RL8PS24 |
|---|---|---|
| Coil Volts | 12 VDC | 24 VAC |
| AC Contact Rating | 10A @ 277V | 10A @ 277V |
| DC Contact Rating | 10A @ 28V | 10A @ 28V |

| ITEM NO. | DESCRIPTION |
|---|---|
| RL8PS12VD | 8 Pin 12 VDC Relay – Square Base |
| RL8PS24 | 8 Pin 24 VAC Relay – Square Base |

### 8 Pin Square Base with Offset Prongs



*RL8PS-12VDC*    *RL8PS-24VDC*    *RL8PS240*

*RL8PS-120V*    *RL8PS-240*    *RL8PS120F*    *RLB8PS*

| ITEM NO. | DESCRIPTION |
|---|---|
| RL8PS-12VDC | 8 Pin 12 VDC Relay – Square Base/Offset Prong |
| RL8PS-24VDC | 8 Pin 24 VDC Relay – Square Base/Offset Prong |
| RL8PS240 | 8 Pin 24 VAC Relay – Square Base/Offset Prong |
| RL8PS-120V | 8 Pin 120V Relay – Square Base/Offset Prong |
| RL8PS-240 | 8 Pin 240V Relay – Square Base/ Offset Prong |
| RL8PS120F | 8 Pin 120V Relay – Square Base w/ Mount Flanges |
| RLB8PS | 8 Pin Relay Base – Square Base/Offset Prong |

#### 8 PIN SQUARE BASE RELAYS WITH OFFSET PRONGS

| ITEM # | RL8PS-12VDC | RL8PS-24VDC | RL8PS240 | RL8PS-120V | RL8PS-240 | RL8PS120F | RLB8PS |
|---|---|---|---|---|---|---|---|
| Coil Volts | 12 VDC | 24 VDC | 24 VAC | 120 VAC | 240 VAC | 120 VAC; | 120 VAC |
| AC Contact Rating | 15A @ 277V | 10A @ 120V | 10A @ 240V | 15A @ 120V, 12A @ 277V | 10A @ 120V | 25A @ 300V | 5A @ 120V, 12A @ 277V |
| DC Contact Rating | 15A @ 28V | 10A @ 24V | | 12A @ 28V | 10A @ 24V | 13A @28V | 12A @ 28V |

## 11 Pin Round Base Relays



RL11PR120



RLB11PR

| 11 PIN ROUND BASE RELAYS | | |
|---|---|---|
| ITEM # | RL11PR120 | RLB11PR |
| Coil Volts | 120 VAC | |
| AC Contact Rating | 10A @ 277V | 15A @ 300V |
| DC Contact Rating | 10A @ 28V | |

| ITEM NO. | DESCRIPTION |
|---|---|
| RL11PR120 | 11 Pin 120V Relay – Round Base |
| RLB11PR | 11 Pin Relay Base – Round Base |

## 11 Pin Square Base Relays



RL11PS120



RLB11PS

| 11 PIN ROUND BASE RELAYS | | | |
|---|---|---|---|
| ITEM # | RL11PS120 | RL11PS240 | RLB11PS |
| Coil Volts | 120 VAC | 240 VAC | |
| AC Contact Rating | 10A @ 277V | 10A @ 277V | 15A @ 300 V |
| DC Contact Rating | 10A @ 28V | 10A @ 28V | |

| ITEM NO. | DESCRIPTION |
|---|---|
| RL11PS120 | 11 Pin 120V Relay – Square Base |
| RL11PS240 | 11 Pin 240V Relay – Square Base |
| RLB11PS | 11 Pin Relay Base – Square Base |

## 14 Pin Square Base Relays



RL14PS120



PLB14PS

| 11 PIN ROUND BASE RELAYS | | |
|---|---|---|
| ITEM # | RL14PS120 | PLB14PS |
| Coil Volts | 120 VAC | |
| AC Contact Rating | 3A @ 240V | 5A @ 250V |
| DC Contact Rating | 3A @ 28V | |

| ITEM NO. | DESCRIPTION |
|---|---|
| RL14PS120 | 14 Pin 120V Relay – Square Base |
| PLB14PS | 14 Pin Relay Base – Square Base |

## Solid State Relays



TMDSS1010K



TMD2A562

| SOLID STATE RELAYS | | |
|---|---|---|
| ITEM # | TMDSS1010K | TMD2A562 |
| Input/Control Voltage | 19-265 VAC, 10-120 VDC | 24-240 VAC, 12-48 VDC |
| AC Contact Rating | 1A @ 19-265V | 1A @ 24-120V |
| DC Contact Rating | 1A @ 10-120V | 1A @ 12-24V |

| ITEM NO. | DESCRIPTION |
|---|---|
| TMDSS1010K | Solid State Timing Relay / 10-10,000 Seconds |
| TMD2A562 | Solid State Timing Relay / 0-60 Seconds |

## Open Power Relays

Double Pole Double Throw



| OPEN POWER RELAYS | | | | |
|---|---|---|---|---|
| ITEM # | RL2P30A12DC | RLDPDT30A24 | RLDPDT30A120 | RLDPDT30A240 |
| Coil Volts | 12 VDC | 24 VAC | 120 VAC | 240 VAC |
| AC Contact Rating | 40A @ 300V | 40A @ 300V | 40A @ 300V | 40A @ 300V |
| DC Contact Rating | 40A @ 28V | 40A @ 300V | 40A @ 28V | 40A @ 28V |

| ITEM NO. | DESCRIPTION |
|---|---|
| RL2P30A12DC | 12 VDC 30 Amp Relay |
| RLDPDT30A24 | 24 VAC 30 Amp Relay |
| RLDPDT30A120 | 120V 30 Amp Relay |
| RLDPDT30A240 | 240V 30 Amp Relay |

## Finder Relays



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RLSF12VDC | 12 VDC Slim Finder Relay w/ Base |
| RLSF220VAC | 220V Slim Finder Relay w/ Base |

## Mini Relays

Used for Agrivent Controller



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RLAVS2P240DT | 2 Pole 240V Mini Relay |

## Omron Relays



*RLOM2P25A120*  *RLOM4P25A120*  *RLPPRCP*

| OMRON RELAYS | | | | |
|--------------|--|--|--|--|
| ITEM # | RLOM2P25A120 | RLPPRCP | RLOM2P25A220VC | RLOM4P25A120 |
| Coil Volts | 100/120 VAC | 200/240 VAC | 200/240 VAC | 100/120 VAC |
| AC Contact Rating | 25A @ 240V | 25A @ 240V | 25A @ 240V | 25A @ 240V (NO), 8A @ 240V (NC) |
| DC Contact Rating | | | | 5A @ 28V |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RLOM2P25A120 | 2 Pole 120V 25 Amp Relay – Screw Terminal |
| RLPPRCP | 2 Pole 220V 25 Amp Relay – Tab Terminal, Used for Val-Co Control Pan |
| RLOM2P25A220VC | 2 Pole 220V 25 Amp Relay – Screw Terminal |
| RLOM4P25A120 | 4 Pole 120V 25 Amp Relay – Screw Terminal |

## Contactors



*2 Pole*  *3 Pole*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RL2P20A240 | 2 Pole 240V 20 Amp Contactor |
| RL6X567 | 2 Pole 120V 30 Amp Contactor |
| RL6X566 | 2 Pole 220V 30 Amp Contactor |
| RL4P22A120 | 3 Pole 120V 22 Amp Contactor |
| RL4P22A240 | 3 Pole 230V 22 Amp Contactor |
| RL3P40A120 | 3 Pole 120V 30 Amp Contactor |
| RL3P40A240 | 3 Pole 240V 30 Amp Contactor |

## Overloads



*RLOLIM*

*RLOL3P6-9A*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RLOL3P6-9A | 3 Pole 6-9 Amp Overload |
| RLOLIM | Overload Mounting Base – MT-32 Independent Mount |

# Lighting

## Fixtures

### *Dusk to Dawn Light*

### *36-watt LED dusk to dawn light with 5200 delivered lumens.*

5000K, gray cULus

#### FEATURES

- **Housing:** Gray, die-cast aluminum
- **Lens Assembly:** UV-stabilized acrylic prismatic refractor
- **Mounting:** Direct mounting hardware included
  Mounts directly or with mounting arm *(Sold separately as an accessory)*
  Mounts to pole diameter $1\frac{5}{8}$" – $1\frac{3}{4}$"
  Pendant mount with adapter *(Sold separately as an accessory)*
  cULus Listed: Wet locations

#### BENEFITS

- Comes standard with a photocell
- An industry leading 144 lumens per watt

#### RECOMMENDED USE

- Security
- Area Lighting
- Service Roads
- General Area Lighting
- Yard and Dock Lighting

### *Arm Mounting Kit*

### *120-277 Volt NEMA Photocell*
Field installed. IP65 Rating

#### FEATURES

- **Housing:** IR Filtered photo diode sensor
- **Mounting:** Twist lock
- **UL Listed:** Wet locations

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGDDL36W | 36 Watt 5,000K LED Dusk to Dawn Light |
| LGDDL36WAK | LED Dusk to Dawn Arm Mounting Kit |
| LGDDL36WP | Photocell for LED Dusk to Dawn Light |

## Outdoor Light Fixtures

Rugged, seamless, die-cast construction that prevents moisture entry. State of the art powder coat finish for maximum durability. Locking swivel knuckle allows positive lamp positioning and pin-point directional aiming. Lamp holders supplied with porcelain sockets, internal gaskets. Extra long wire leads, hardware and installation instructions. For exterior or interior lighting. For safety and security, light walkways, driveways and doorways. Bulbs not included.

### *Fixtures*

LGF02G

LGF02W

LGF02B

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGF02G | Outdoor Light Fixture 2-Lamp Gray |
| LGF02W | Outdoor Light Fixture 2-Lamp White |
| LGF02B | Outdoor Light Fixture 2-Lamp Bronze |

### *Fixture Bases*

LGFOBB　　　　LGFOBG　　　　LGFOBW

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGFOBB | Outdoor Light Fixture Base Bronze |
| LGFOBG | Outdoor Light Fixture Base Gray |
| LGFOBW | Outdoor Light Fixture Base White |

## Sealed Light Fixture Sub Assembly

Molded of rugged, noncorrosive Lexan® plastic for a watertight sub-assembly! Makes a completely watertight fixture when used with a globe.

### FEATURES

- Includes all gaskets, stainless steel screws and mounting feet for ceiling installation
- Maximum 60W incandescent bulb
- Economical and wash-down proof
- All openings feature water tight knockouts
- Gasketed two-piece design for easier wiring
- Four ¾"F NPT openings at 90° spacing

### 4" Junction Box for Sealed Light Fixture

- Corrosion resistant
- Suitable for use in "wet" locations
- For use with all non-metallic wiring systems
- High impact, compression molded phenolic plastic rated to 302°F (150°C)

**LGSFSAJB**

### Glass Globe

- Maximum 100W incandescent bulb
- 3" Diameter
- 7" Overall length

**LGGG**

### Replacement Socket for Sealed Light Fixture

- High temperature porcelain lamp socket with 6-inch 18 AWG stranded wire leads
- Includes corrosion resistant nickel-plated brass screw shell
- Can be used with "A" Series incandescent lamp (150-watt maximum).
- Interchangeable with luminaires built with phenolic sockets

**LGSFSA**

**LGSFSAB**

**LGSFSARS**

| ITEM NO. | DESCRIPTION |
|---|---|
| LGSFSA | PVC Sealed Light Fixture Sub Assembly |
| LGGG | Glass Globe for Light Sub Assembly |
| LGSFSAJB | 4" Junction Box for Sealed Light Fixture |
| LGSFSAB | Base for Sealed Light Fixture Sub Assembly |
| LGSFSARS | Replacement Socket for Sealed Light Fixture |

## T8 Fluorescent Lights

- Strip lights have linear disconnect feature providing a safe, reliable means of disconnecting power to the fixture, saving money on utility bills
- Die-formed cold-rolled steel channel construction with numerous KOs
- End plate adjusts quickly in converting to snap-in channel connector for continuous row alignment
- Flip-up socket easily rotates and locks into place allowing for faster installation
- Lamp not included
- Optional reflectors in silver-lined reflector finish
- Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor
- Bulbs not included.

| ITEM NO. | DESCRIPTION |
|---|---|
| LGFF4232 | 4' T8 Fluorescent Light Fixture – Bulbs not included |
| LGFF8432 | 8' T8 Fluorescent Light Fixture – Bulbs not included |
| LGF432 | 4' T8 Fluorescent Bulb – 4100K, 32 Watt |

## 4' LED Vapor Tight Light

- 60 Watt
- 5000K
- 6600 Lumens

### FEATURES

- High output LEDs provide 80+ CRI
- L70 is predicted to be greater than 120,000 hours
- Standard: Multi-volt (120 – 277V) input
- Suitable for ambient temperatures between -30°C to 55°C
- Driver standard with 0 – 10V dimming UL Listed

### BENEFITS

- Energy saving compared to fluorescent systems
- Exceptional color rendering
- High system efficacy
- Long LED life

### SPECIFICATIONS

- One-piece upper body; no seams to crack, break or leak
- Reinforced fiberglass body is rugged and corrosion resistant
- 5VA Flammability rating (will not melt or burn)
- Closed cell polyester gasket
- High gasket compression recovery ensures solid seal over life of fixture
- Knockouts on each end

| ITEM NO. | DESCRIPTION |
|---|---|
| LGLV46050K | 4' LED Vapor Tight Light |

## LED T8 Replacement Bulbs

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGLT8418 | 4' LED T8 Bulb – 18 Watt, 5000K |

## Plastic Lamp Holder

### FEATURES

- Nickel-plated brass screw shell will not corrode
- For commercial, industrial and residential lighting applications
- Fits 3.25" or 4" outlet box
- UV resistant lamp holders will not fade or discolor
- Optional plastic and metal safety cages fit all lamp holders
- Includes corrosion resistant mounting screws

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGPHFT | Phenolic Light Fixture w/ Tail |

## Porcelain Lamp Holder

### FEATURES

- Nickel-plated brass screw shell will not corrode
- For commercial, industrial, residential and agricultural lighting applications
- Fits 3.25" or 4" outlet box
- UV resistant lamp holders will not fade or discolor
- Optional plastic and metal safety cages fit all lamp holders
- Includes corrosion resistant mounting screws

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGPF | Porcelain Fixture |

# Bulbs

## Poultry Barn Products LED Bulbs

### *#1 Poultry Bulb Recommended by Poultry Houses Nationwide*

These LED bulbs have been in the market for over 10 years and are performing incredibly well. Many of the bulbs being used in poultry houses have yet to be replaced, well exceeding the listed 50,000 hour warranty.

### FEATURES

- State of the Art Relay for 97% Smooth Dimmable Range
- Compatible to All USA Made Controllers
- Heavy-duty Aluminum Heat Sink
- Top of the Line Driver for 50,000 Hour Performance
- Sealed Lexan Shatter Proof Cover for Easy Cleaning

### SPECIFICATIONS

- IP64
- 130LM per Watt
- Industrial Grade
- 97% Dimming Range
- CRI >80
- -40˚F - 122˚F
- Flicker Free
- 5 Year Warranty

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| LGL9.9W27KP | 9.9 Watt LED 2700K |
| LGL9.9W50KP | 9.9 Watt LED 5000K |

## LifeLamp

### *All LifeLamp™ LED bulbs were designed to withstand the punishment of poultry houses.*

Each LifeLamp LED bulb includes a silicon seal between the base and body and between the body and lens cover (below) to ensure industry best water and moisture resistance.

Every LifeLamp LED bulb is designed with a 5V-VO PBT plastic internal base and die cast aluminum body to ensure LifeLamp™ is fireproof. The LifeLamp™ lens cover is designed with Lexan polycarbonate plastic to eliminate cracking or shattering.

We recommend pairing LifeLamp LED bulbs with the LifeLamp dimmer for maximum performance. The LifeLamp Dimmer ensures LifeLamp bulbs will dim down to below 2% dimming levels, perfect for catch crews.

LifeLamp LED bulbs are available in different colors including 2700K, and 5000K. LifeLamp offers long life expectancy; approximately 25,000 hours to 50,000 hours, depending on the bulb.

Solid Warranty – LifeLamp LED bulbs warrantied for 5 years from Date Stamp

## Lighting Tips

### Kelvins (°K)

Kelvin is used in lighting to measure the color temperature of a particular light bulb. And in short, the higher the Kelvin rating (expressed in K), the whiter the light will be.

### Lumens

Lumens measure how much light you are getting from a bulb. More lumens means it's a brighter light; fewer lumens means it's a dimmer light.

### Watts

Watt is the electrical unit for the rate at which energy is generated or consumed. So, when you turn on a lamp with a 100-watt bulb in it, it's drawing 100 watts of electricity for every second it's lit. It is important to note that when buying light bulbs, wattage does not equal brightness.

### *LifeLamp – 6 Watt*

#### FEATURES

- Sealed with a special silicon formula gasket which prevents water from infiltrating the bulb.
- Rated for 50,000 hours of use,
- Is warrantied for 5 years from the date stamp on each bulb.
- Every bulb rated for UL 8750 wet location use which is required for any poultry, turkey or swine live production environment!
- **Designed with a 230 degree beam spread preventing light spots.**
- When used with LifeLamp Dimmer, dims down to a level which cannot be measured by light meter at 8 feet!
- Fire retardant, blastproof, shatterproof polycarbonate cover and forged die cast aluminum body. No cheap plastic!
- Offered in different temperatures

| ITEM NO. | DESCRIPTION |
|---|---|
| LGL6W27KL | 6 Watt LED 2700K |
| LGL6W50KL | 6 Watt LED 5000K |

*\*Estimated yearly energy cost based on 3 hrs./day at $0.11/kilowatt-hour. Estimated life expectancy based on 3 hrs./day.*

| LIFELAMP 6 WATT LED BULBS | | |
|---|---|---|
| ITEM # | LGL6W27K | LGL6W50KL |
| Lumens | 540 | 450 |
| Kelvin | 2700K | 5000K |
| Estimated Yearly Energy Cost* | $0.72 | $0.72 |
| Life Expectancy* | 22.8 years | 22.8 years |

## LifeLamp – 9 Watt

### FEATURES

- Sealed with a special silicon formula gasket which prevents water from infiltrating the bulb.
- Rated for 50,000 hours of use.
- Is warrantied for 5 years from the date stamp on each bulb.
- Every bulb rated for UL 8750 wet location use which is required for any poultry, turkey or swine live production environment!
- **Designed with a 230 degree beam spread preventing light spots.**
- When used with LifeLamp Dimmer, dims down to a level which cannot be measured by light meter at 8 feet!
- Fire retardant, blastproof, shatterproof polycarbonate cover and forged die cast aluminum body. No cheap plastic!
- Offered in different temperatures.

| ITEM NO. | DESCRIPTION |
|---|---|
| LGL9W27KL | 9 Watt LED 2700K |
| LGL9W50KL | 9 Watt LED 5000K |

| LIFELAMP 9 WATT LED BULBS | | |
|---|---|---|
| ITEM # | LGL9W27KL | LGL9W50KL |
| Lumens | 840 | 900 |
| Kelvin | 2700K | 5000K |
| Estimated Yearly Energy Cost* | $1.08 | $1.08 |
| Life Expectancy* | 22.8 years | 22.8 years |

## LifeLamp – 16 Watt

### FEATURES

- Sealed with a special silicon formula gasket which prevents water from infiltrating the bulb.
- Rated for 50,000 hours of use.
- Is warrantied for 5 years from the date stamp on each bulb.
- Every bulb rated for UL 8750 wet location use which is required for any poultry, turkey or swine live production environment!
- **Designed with a 180 degree beam spread preventing light spots.**
- When used with LifeLamp Dimmer, dims down to a level which cannot be measured by light meter at 8 feet!
- Fire retardant, blastproof, shatterproof polycarbonate cover and forged die cast aluminum body. No cheap plastic!
- Offered in different temperatures

| ITEM NO. | DESCRIPTION |
|---|---|
| LGL16W27KL | 16 Watt LED 2700K |
| LGL16W50KL | 16 Watt LED 5000K |

| LIFELAMP 16 WATT LED BULBS | | |
|---|---|---|
| ITEM # | LGL16W27KL | LGL16W50KL |
| Lumens | 1600 | 1900 |
| Kelvin | 2700K | 5000K |
| Estimated Yearly Energy Cost* | $1.99 | $1.99 |
| Life Expectancy* | 22.8 years | 22.8 years |

*Estimated yearly energy cost based on 3 hrs./day at $0.11/kilowatt-hour. • Estimated life expectancy based on 3 hrs./day.*

## LifeLamp – 40 Watt

### FEATURES

- **High output & efficiency, extremely bright, over 6000 lumens**
- Provides 10-12 foot-candles beam spread at 11 foot ceiling height
- Direct replacement for HPS lighting and high watt CFL (Ballast must be bypassed)
- **Instant 100% light, no warm-up time, no flicker, 270 degree beam angle**
- Perfect for turkeys, breeders and broiler broods
- IP67 waterproof rating and dust resistant

| ITEM NO. | DESCRIPTION |
|---|---|
| LGL40W27KL | 40 Watt LED 2700K |
| LGL40W50KL | 40 Watt LED 5000K |

| LIFELAMP 40 WATT LED BULBS | | |
|---|---|---|
| ITEM # | LGL40W27KL | LGL40W50KL |
| Lumens | 6000 | 6000 |
| Kelvin | 2700K | 5000K |
| Estimated Yearly Energy Cost** | $12.75 | $12.75 |
| Life Expectancy** | 5.7 years | 5.7 years |

**Estimated yearly energy cost based on 12 hrs./day at $0.12/kilowatt-hour. Estimated life expectancy based on 12 hrs./day.*

## Sealed Light Fixtures

### FEATURES

- Waterproof connection between socket and junction box
- Waterproof connection between bulb and socket
- Lights always shine directly down on floor, even with pitched ceiling
- All components are UL V-0 flame retardant rated
- Height of bulb is adjustable

| ITEM NO. | DESCRIPTION |
|---|---|
| LGSFSATB | TruBeam Sealed Light Socket Fixture |

## Satco

**SATCO®**

| ITEM NO. | DESCRIPTION |
|---|---|
| LGL5W27KS | 5 WT LED 2700K |
| LGL9.5W27KS | 9.5 WT LED 2700K |
| LGL9.5W50KS | 9.5 WT LED 5000K |
| LGL15.5W27KS | 15.5 WT LED 2700K |
| LGL15.5W50KS | 15.5 WT LED 5000K |

| SATCO LED BULBS | | | |
|---|---|---|---|
| ITEM # | LGL5W27KS | LGL9.5W27KS | LGL9.5W50KS |
| Wattage | 5 | 9.5 | 9.5 |
| Brightness in Lumens | 450 | 800 | 800 |
| Est. Yearly Energy Cost*** | $0.60 | $1.14 | $1.14 |
| Life Expectancy*** | 22.8 years | 22.8 years | 22.8 years |

| ITEM # | LGL15.5W27KS | LGL15.5W50K |
|---|---|---|
| Wattage | 15.5 | 15.5 |
| Brightness in Lumens | 1600 | 1600 |
| Est. Yearly Energy Cost*** | $1.87 | $1.87 |
| Life Expectancy*** | 22.8 years | 22.8 years |

*****Life expectancy for all bulbs based on 3 hrs./day. Yearly energy cost based on 3 hrs./day at $0.11 per kilowatt-hour.*

## Fluorescent

### *U-Tube*

| ITEM NO. | DESCRIPTION |
|---|---|
| LGF07 | 7 Watt U-Tube Fluorescent |
| LGF09 | 9 Watt U-Tube Fluorescent |
| LGF13 | 13 Watt U-Tube Fluorescent |

### *Spiral*

| ITEM NO. | DESCRIPTION |
|---|---|
| LGF18SP | 18 Watt Spiral Fluorescent 2700K |

*Life expectancy for all bulbs based on 3 hrs./day. Yearly energy cost based on 3 hrs./day at $0.11 per kilowatt-hour.*

| SPIRAL FLUORESCENT BULBS | | |
|---|---|---|
| ITEM # | LGF18SP | LGF23SP |
| Wattage | 18 | 23 |
| Brightness in Lumens | 1100 | 1600 |
| Est. Yearly Energy Cost*** | $2.17 | $2.77 |
| Life Expectancy | 9 years | 9 years |

## Flood Light Bulb

### FEATURES

- Medium base
- 16 watts, 120 volts
- Dimmable
- 1300 lumens, 5000K, 82 CRI,
- 15,000 hours average life

| ITEM NO. | DESCRIPTION |
|---|---|
| LGLF16W50K | 16 Watt LED 5000K |

## High Pressure Sodium Bulbs and Ballasts

*150 Watt Ballast*

*LGBAL50HPS*     *LGHPSMBPS*     *LGHPSMBPSS*

| ITEM NO. | DESCRIPTION |
|---|---|
| LGBHPS50 | 50 Wt HPS Bulb |
| LGBHPS150M | 150 Wt HPS Bulb |
| LGBAL50HPS | Ballast for 50 Wt HPS Light |
| LGBAL150HPS | Ballast for 150 Wt HPS Light |
| LGHPSMBPS | Snap in Socket for HPS Light |
| LGHPSMBPSS | Surface Mount Socket for HPS Light |

## Rope Lighting

| ITEM NO. | DESCRIPTION |
|---|---|
| LGLEDRL150 | Rope Light – 150' Roll |

# Dimmers

## Precision Lighting LED Dimmer

**PRECISION** LIGHTING SYSTEMS

### 2400 watt digital light dimmer compatible with all dimmable LED bulbs.

The PLS-2400 STD digital light dimmer offers precise control over LED lighting systems. This dimmer maintains low end control to provide super low light levels and strong lamp re-ignition. Precise lighting control smooths out dimming issues including flickering, flashing, swirling and drop out. Compatible with house controllers with a 0-10 volt dc output for light dimmers.

#### FEATURES & BENEFITS

- 4 Dimmers in 1: L1-L2-L3-L4
- Twin outputs: A & B
- Environmentally sealed
- Lightning resistant
- "One shot" light for easy carcass removal

#### SPECIFICATIONS

- 120V 60Hz
- 2400 watt (1200w per channel)

| ITEM NO. | DESCRIPTION |
|---|---|
| LGDPL2400 | 2400 Wt PLS LED Dimmer |

## LifeLamp Dimmer

**LIFELAMP** LIGHTING SYSTEM

### Best-in-class reverse phase IGBT dimming technology

#### FEATURES

- Precise and consistent dimming control down to 1% brightness
- Helpful and informative 3-inch, backlit display
- Manual Mode: control your lights simply by setting dimming percentages on your own
- Slave Mode: have your dimmer accept 0-10V signals from a house controller
- Master Mode: set a schedule for your dimmer to follow automatically
- Intuitive Housewalk feature allows for seamless interruption of programming to perform house maintenance
- Operates smoothly between 110V and 240V without the need to change settings
- Easy to install with standard conduit already incorporated, simply trim to desired length and connect to designated lines
- Surge and short circuit protection included
- 2 independently operated 1000W channels allow for complete control of house

| ITEM NO. | DESCRIPTION |
|---|---|
| LGDLL20 | 2000 Wt LifeLamp Dimmer |

## Overdrive Dimmer

**Overdrive**

#### FEATURES

- Dual output zones can run independent lighting schedules
- 3 Programs – Master, manual, slave mode for quick and easy programming
- Programmable master mode for unmanned control
- Manual mode with keypad control
- Slave mode with 0-10V DC analog voltage control
- Supports memory function
- Supports ISP function and complies with EU-BUS protocol
- Integrated 1.3" OLED display
- Fully integrated digital control system for precise and consistent dimming
- 4kV surge protection, over voltage protection, short circuit protection
- Replaceable output fuses
- MOSFET control reduces dimmer power loss and runs cooler

#### SPECIFICATIONS

- 2 Channels
- 10 Amps per channel

| ITEM NO. | DESCRIPTION |
|---|---|
| LGDO2X10 | Overdrive Dimmer |

## Protec Dimmers

**PRECISION** LIGHTING SYSTEMS

### 2000 Watt Protec

#### FEATURES

- Soft start every cycle
- 98% increased noise immunity
- Biofeedback
- Longer bulb life
- Compatible with any bulb

| ITEM NO. | DESCRIPTION |
|---|---|
| LGDP2000R | 2000 Wt Protec Rimmer Dimmer – Green |
| LGDP4800G | 4800 Wt Protec Dimmer – Gold |

### 4800 Watt Protec

#### FEATURES:

- Manual knob operation or 0-10 volt remote control
- A switch can choose to override the knob or the controller to be FULL ON or OFF
- Can provide a fast or slow sunrise and sunset with the lights
- This versatile light controller is microprocessor controlled to provide all this flexibility
- The dimming device is field replaceable

# Controls

## AVS 2240/2248 Control

Looking for a complete house control for your poultry facility? The AVS-2240 or AVS-2248 Controller is a whole house poultry management computer system. The AVS-2240/48 can monitor up to 12 temperature sensors, as well as static pressure, humidity, and 2 separate feed and water inputs. It has 40 relay outputs to operate all aspects of ventilation (heat, fans, openers, etc.), and control feed and lighting. This controller also records history of sensors and other inputs and the time use of the various ventilation units.

| ITEM NO. | DESCRIPTION |
|---|---|
| VNCAVS2240 | 2240 Agri Vent Control |
| VNCAVS2248 | 2248 Agri Vent Control |

## 2240/2248 Parts

### Core Board



| ITEM NO. | DESCRIPTION |
|---|---|
| VNC2240CB | Core Board |

### Input Board



| ITEM NO. | DESCRIPTION |
|---|---|
| VNC2240IB | Input Board |

### Power Supply



| ITEM NO. | DESCRIPTION |
|---|---|
| VNC2240PS | Power Supply |

### Screen Board



| ITEM NO. | DESCRIPTION |
|---|---|
| VNC2240SCB | Screen Board |

### AVS Main Boards
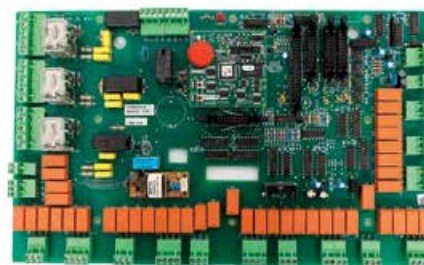


| ITEM NO. | Description |
|---|---|
| VNC2240MB | AVS 2240 Main Board |
| VNC2248MB | AVS 2248 Main Board |

### Setra



| ITEM NO. | DESCRIPTION |
|---|---|
| VNCAVSSETRA | Setra for AVS Controls |

## AVS I Touch Control

The AVS-i2240 I Touch features a large 10-inch "touch pad" navigation display. The user can select, swipe, drag, enlarge and compress similar to smart phones and smart pads. This control is WiFi ready, and will automatically connect to the FarmQuest Livestock Management website for password secure access by any internet capable device. This controller monitors up to 12 temperature sensors, static pressure and relative humidity for environmental control (heat, fans, openers, cool pads, etc.). It can control variable speed fans, multiple vents and tunnel doors, lights and dimmer schedule, feed and water programs. It can also monitor bird weight.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNCAVS2240I | 2240 Agri Vent I-Touch Control |
| VNCAVS2250I | 2250 Agri Vent I-Touch Control |

## I Touch Parts

### Android Core Board

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNC2240IAC | Android Core Board |

### Main Board

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNC2240IMB | Main Board |

### Backup Relay

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNC2240IRBU | Back Up Relay |

### Slim Board

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNC2240ISB | Slim Board |

### Relay Board

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNCITRB | Relay Board |

### Power Supply

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNCAVSTSPS | Power Supply |

## TSP 500 Old Style Touch Screen Parts

### Input Module

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNCAVTSIM | Input Module |

### Output Module

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNCAVTSOM | Output Module |

### Interface Module

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNCAVTSIFM | Interface Module |

## AVS 1840 Parts

### Core Board



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNC2240CB | Core Board |

### Screen Board



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNC2240SCB | AVS Screen Board |

### Power Supply



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNC2240PS | Power Supply |

### Main Board



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNC1840MB | Main Board |

## AVS Parts



*VNCCAC*

*VNCCAW*      *VNCSAVIT*

*VNCSAV1640*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNCAVSCPD | AVS Control Chip Program w/ Dual AT24C512 |
| VNCCAC | Communication Card |
| VNCCAW | Communication Internet Webgate |
| VNCSAV1640 | AVS Temperature Sensor Black Tip |
| VNCSAVIT | AVS Temperature Sensor I-Touch (Gray Box) |

## Rotem One

With all the functionality of Platinum Pro Controllers, the Rotem One features a large 15.6" screen and intuitive interface that brings all the advantages of touch screens to your farm. The touch screen delivers mission critical data on one easy to read screen.

Its flexible, modular architecture is capable of supporting a large number of devices and up to 200 2HP heavy-duty relays (including expansion units). Rotem One's enclosure was designed to simplify installation and maintenance, and its switch guard door keeps toggle switches securely in place.

### FEATURES

- Large range of hardware combinations enables extremely flexible system design
- Less wiring to ventilation fans required when used in conjunction with the HUBs
- Expansion boxes support input/output devices, removing the need for additional controllers
- Improved software capabilities support an unlimited number of devices, including scales, meters, digital thermostats & more
- Extended longevity of hardware components
- Minimal internal heat improves durability in hot climates
- Reduced electrical noise levels inside the controller improve signal quality
- Simplified troubleshooting enables detecting faulty cards easily & quickly
- Heavy-duty enclosure simplifies installation & maintenance
- Multi-language support
- Safely remotely manage your farm with the intuitive RotemNet Web software, web-based software that allows remote control regardless of device – smart-phone, tablet or desktop.



Munters
Your Perfect Climate



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNCRO50 | Rotem One |
| VNRTD5S | RDT-5 Digital Smart Thermostat |

## Rotem Pro Replacement Parts

### *Analog Input Card*
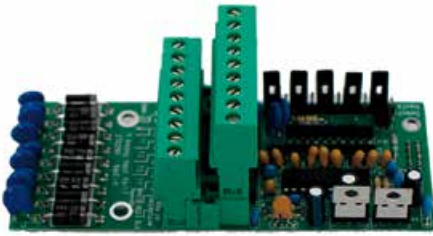
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNRPRAIC | Rotem Pro Analog Input Card |

### *Analog Output Card*
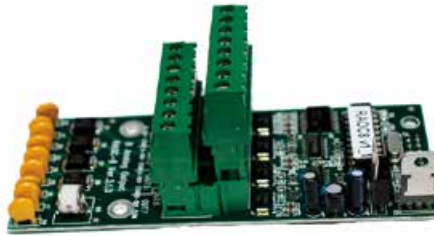
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNRPRAOC | Rotem Pro Analog Output Card |

### *Relay Card*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNRPRRNOR | Rotem Pro Relay Card |

## Rotem Platinum Plus Replacement Parts

### *Alarm Card*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNRAC | Alarm Card |

### *Winch Card*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNRWC | Winch Card |

### *Relay Cards*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNRRCNC | Relay Card Only N.C. |
| VNRRCNO | Relay Card Only N.O. |

### *Analog Input Card*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNRAIC | Analog Input Card |

### *Temperature Sensor*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| VNRTS | Temperature Sensor |

## Maximus Control

The Maximus Controller System is a centralized controller system that simplifies farming facility management. Whether your facilities are for poultry, hogs, or dairy cattle, the Maximus System will track the state of your infrastructure and automate tasks based on your criteria.

### FEATURES

- Graph reference for settings
- Compatible with most popular hand-held devices
- Very dependable hardware with a 5-year warranty
- I-Novarum compatible (production management solutions)
- Generates all alarms, by text or email
- Current draw & temperatures readings of all variable and relay outfits
- All relays & variables have fuse protection
- Auto winching for feed & water lines
- Static pressure compensation
- Zone temperature compensation for ventilation
- Bird scales, bin scales, WiFi communication
- Diagnostic menu
- And much, much more!

### BENEFITS

- Well-being of your animals and reduced operational costs means improved profitability for your company
- Optimal conditions in your facilities at all times
- Automated management of a wide range of parameters: feeding, temperature, lighting, air quality, etc.
- Perfectly safe multi-platform remote control (personal computer, smart phone, electronic tablet)
- Unmatched real-time service
- Upgradable solution that adapts to your needs
- Add features to your controller according to your company's evolution
- Quick and simple web updates ensure optimal technological solutions
- The information you want, the minute you want it
- Improved energy efficiency
- Guaranteed peace of mind thanks to the most reliable and safe system
- Automation of your I-Novarum production management system data collection

| ITEM NO. | DESCRIPTION |
|---|---|
| VNCMBEBBS | Maximus Controller |

## Controller Features



Ventilation
Air Inlet
Heating

Air condition
Temperature
Humidity
Static Pressure
Weather Station
$CO_2$
$NH_3$
THI

Water Management

Bin Management

Feed Management

Bin Weighing

Biosecurity
Chore Monitoring

ESF: Individual Sow Free Access

Internet

Dosatron

Hog Sorter

Alarm Dialer

Generator Monitoring

Power Consumption

Lights

Timer

Growth Curves

Herd Management

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## Horizon Parts


VNCVHCM


VNCVHIB


VNCVHRBA


VNCVHHDL


VNCVHIBA


VNCVHFS


VNCVHMB


VNCVHSETRA

| ITEM NO. | DESCRIPTION |
|---|---|
| VNCVHCM | Communication Module (ECM) |
| VNCVHDFC | Front Cover Assembly for Display Unit |
| VNCVHFS | Feed Sensor |
| VNCVHHDL | Hard Drive Loaded |

| ITEM NO. | DESCRIPTION |
|---|---|
| VNCVHHP | Humidity Sensor Probe |
| VNCVHIB | Inverter Board |
| VNCVHIBA | Input Board Assembly |
| VNCVHMB | Mother Board |

| ITEM NO. | DESCRIPTION |
|---|---|
| VNCVHRBA | Relay Board Assembly |
| VNCVHSETRA | Setra |
| VNCVHST | LCD Touch Screen |
| VNCVHTP | Temperture Sensor Probe |

## Val-Co Ovation Controls

- 5 character LED display screen shows longer descriptions
- Indicator lights for output status – show ventilation system at a glance
- Defective probe pilot light
- Independent temperature probe inputs – individual readouts
- 16 or more parameters accessed by dial – protection with lock out mode switch preventing accidental or unauthorized changes

### CONTROL FEATURES:

- Displays absolute temperatures for all stages
- Inside and outside high/low temperatures for room average recordings
- Optional humidity probe with RH compensation
- Compatible with potentiometer feedback air inlet control
- Minimum vent timer selects desired time on and off – no limitations
- On/Off stages have selectable 2° F offset
- Sequential power-on with 5 second delay between stages
- Full-speed fan start-up for 2 seconds on variable output
- Motor curves for variable speed fans
- Ramping functions – 10 different set points – adjustments for current day
- Adjustable heater offset & differential
- 2 heating stages possible for controls with 2 or more thermo stages
- Dual zone heat mode allows 2 heaters on a single stage with individual sensors
- Easy access to internal adjustments – snap on latch

### ALARM FEATURES:

- Test mode – runs through sequence to test settings and equipment
- Alarms for high/low and critical temperatures plus power failure
- Offset alarm for mist, heat and stage 2
- Includes standard alarm output

### CURTAIN SETUP

- Simplified curtain/winch set-up using targeted temperature (absolute values)
- Curtain/winch can be set up to operate anywhere within ventilation control sequence
- Manual overrides for curtains
- Outdoor temperature influence on high alarm offset and curtain logic
- Normal and progressive timing option for curtains
- Built-in adjustable timer on natural ventilation stages

| ITEM NO. | DESCRIPTION |
|---|---|
| VNCVO4SO22 | 4 Stage Val-Co Ovation 22 Control |
| VNCVO6SO113 | 6 Stage Val-Co Ovation 113 Control |
| VNCVO6SO24 | 6 Stage Val-Co Ovation 24 Control |
| VNCVO8SO214 | 8 Stage Val-Co Ovation 214 Control |

## Variable Speed Controls

*120 V Modulator*

*240 V Modulator*

*Ceiling Fan Speed Control*

| ITEM NO. | DESCRIPTION |
|---|---|
| FNM120 | 120 V Modulator |
| FNM240 | 240 V Modulator |
| CFSC120 | 2 Fan Ceiling Fan Speed Control |
| CFSC1205 | 5 Fan Ceiling Fan Speed Control |

## Variable Frequency Drives (VFDs)

### OPTIONS INCLUDE

- Remote Keypad allows operation from up to 30 m from drive, cubicle mountable, IP65 rating
- Extended I/O modules can extend the standard drive I/O by up to 1 extra programmable form C relay output and 2 extra digital inputs
- External dynamic braking unit for drives rated up to 22 kW ($30 kW include brake transistor as standard)
- External EMC filter to meet EN61800-3 (First and second environment, category C1 and C2)
- EEPM1RA – EPM programmer enables you to easily duplicate, read, edit and archive the memory and configuration of the SMVector drives

| ITEM NO. | DESCRIPTION |
|---|---|
| VFD1.5N1 | 1.5 HP VFD Nema 1 1PH or 3PH |
| VFD2.0N1 | 2 HP VFD Nema 1 1PH or 3PH |
| VFD3.0N1 | 3 HP VFD Nema 1 1PH or 3PH |
| VFD5.0N1 | 5 HP VFD Nema 1 3PH |
| VFD7.5N1 | 7.5 HP VFD Nema 1 3PH |
| VFD10N1 | 10 HP VFD Nema 1 3PH |

# Thermostats

### Sealed K-Kontrol Thermostat

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNTS | Sealed Thermostat K-Trol |

### T-15-WD Sealed Thermostat

240 VAC; 10A/60 Hz

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNTST | Sealed Thermostat T-15-WD |

### Digital Weather Proof Thermostats

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNDT | Digital Weather Proof Thermostat |
| FNDT2 | Digital 2-Stage Weather Proof Thermostat |
| FNDTS | 5' Temperature Sensor f/ Digital Thermostat |

### 2 Stage Sealed Thermostat

Designed to control fans with a built-in low/high speed, the T152-2 two-stage thermostat has a watertight enclosure with temperature settings ranging from 32° F to 104° F. Includes a 316 stainless steel sensor for a quick response.

### *FEATURES/ADVANTAGES*

- Differential 6° between stages; on/off 5° F minimum
- 316 stainless steel sensor for quick response
- Easy screw terminal connectors
- Adjustable ring for field calibration
- Designed to tolerate harsh environments, high humidity levels, and most corrosive conditions

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNT2SS | Thermostat 2 Stage Sealed |

## Choretronics Temperature Sensor

The Series 0-4 Outside Air Temperature Sensors are great for monitoring ambient air temperatures in outdoor applications. The temperature sensors are mounted in a NEMA 4X enclosure with integral mounting tabs. The mounting tabs can be used to surface or suspension mount the temperature sensors. The removable terminal block makes installation easy. The Series 0-4 can be used to measure outside air temperatures in building automation systems or room temperatures inside agricultural ventilation houses

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CT40741 | Choretronics Temperature Sensor |

# Time Clocks

### Digital Time Clocks

This series offers an easy way to upgrade from a basic mechanical time switch to an electronic time switch. These timers will allow for up-to-the-minute programming, battery backup for power loss, up to 28 events total, and automatic daylight saving time corrections without the need of user interaction.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| TMDFC120 | 120-240V Digital Single Channel TimeClock |
| TMDFC240 | 120-240V Digital Double Channel TimeClock |

### Intermatic Cycle Timer

Provides 8 selectable total cycle durations with cycling pattern selectable from 3% to 97% of total cycle SPST contacts. Can be wired in series with a manual switch or time switch for time-of-day cycling applications.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| TMCTI | Intermatic Cycle Timer |

### Multi Operational Time Clock

- 24-hour, multi-operation time clock
- Manual on/off
- Override does not interfere with program

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| TM2E026 | 120V Multi-Operation Time Clock |

### 120 Volt Time Clock

- Electromechanical timer
- Furnished with a maximum of 12 trippers
- Manual on/off override does not alter program
- Snap-out timing mechanism
- Up to 12 on/off settings per day

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| TM2E021 | 120V Time Clock |

**INVEST IN CONSISTENT FEEDING TECHNOLOGY**

**--COMPLETE CONTROL AND MONITORING--**
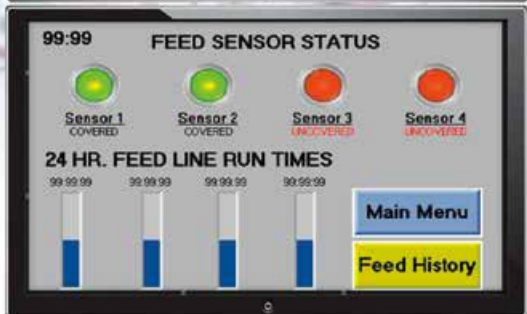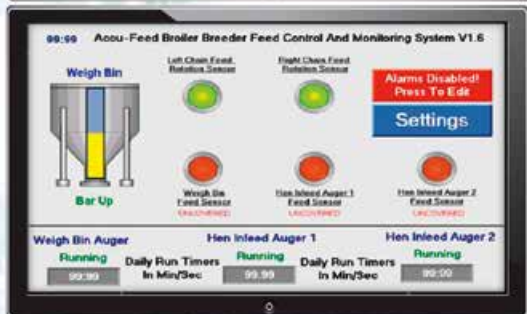
- CAPACITIVE FEED SENSING TECHNOLOGY
- AMP SENSORS MONITOR MOTOR RUN
- CHAIN FEEDER MONITORING UTILIZING ROTATION AND FEED DEPTH SENSING
- REMOTE ACCESSIBLE VIA MOBILE APP

- • LAYERS
- • BREEDERS
- • TURKEYS
- • BROILERS
- • PULLETS

**ACCU-FEED**   CALL FOR MORE INFORMATION

## Accu-Feed Controls

### Accu-Feed Controls Broiler/Breeders/Layers

| ITEM NO. | DESCRIPTION |
|---|---|
| FDBBMC-100 | Accu-Feed Broiler Breeder Touch Control |
| FDCFMS102 | Accu-Feed 2 Chain/1 Infeed Moni. and Contr. |
| FDCFMS103 | Accu-Feed 3 Chain/1 Infeed Moni. and Contr. |
| FDCFMS204 | Accu-Feed 4 Chain/2 Infeed Moni. and Contr. |
| FDCFMS404 | Accu-Feed 4 Chain/4 Infeed Moni. and Contr. |

### Accu-Feed Controls Broilers/Pullets

| ITEM NO. | DESCRIPTION |
|---|---|
| FDFCMS102 | Accu-Feed Control And Monitoring 2 Lines |
| FDFCMS103 | Accu-Feed Control And Monitoring 3 Lines |
| FDFCMS104 | Accu-Feed Control And Monitoring 4 Lines |
| FDFCMS206 | Accu-Feed Control And Monitoring 6 Lines |

**AUTOMATED AG SOLUTIONS LLC**

### Accu-Feed Parts

| ITEM NO. | DESCRIPTION |
|---|---|
| FDTBSM | Trough Bracket Sensor Mount f/ Accu-Feed |
| SWPRSP30M24VNC | PNP Prox Switch SS 30mm 24V N/C |

# Alarms

## Agri Alert 128 Touch

### *The Complete Alarm System*

Monitor temperature, power, feed and watering systems, burglary, bio security and more. Agri-Alert continually monitors your operation and quickly notifies you upon the detection of common site problems or failures.

### *Display 128 Zones*
View all 128 zones on a single screen; easily scan active alarms throughout the entire system.

### *One-Touch Zoom*
With one-touch zoom in/out capabilities, quickly zero-in-on a specific zone group, increasing the tile size and information visible for each

### *Filter Zones By Status*
Easily view zones that may need immediate attention. For example, by selecting the Bypass Mode icon, any zone that is currently set on bypass is isolated.

### *Filter Zones By Type*
Quickly view all zones of a specific function. For example, by selecting the Temperature icon, all zones associated with temperature are isolated and can be viewed at once.

### *Historical Information*
With one touch, view historical information and records for each zone.

### *Easily Adjust Values*
Within each individual zone, click the Pencil icon to easily adjust values and limits such as temperature setpoints.

| ITEM NO. | DESCRIPTION |
|---|---|
| ALAA128T | Agri Alert 128 Touch |

## Agri Alert 128 Touch Parts

### *Power Supply*
Enclosed, Conformal Coated AC DC Converters 1 Output 24V 10A 85 ~ 264 VAC Input

| ITEM NO. | DESCRIPTION |
|---|---|
| ALAA128TPS | Power Supply |

### *Battery Box Assembly*
Assembly includes 12V battery and box.

| ITEM NO. | DESCRIPTION |
|---|---|
| ALAA128TBA | Battery Box Assembly |

### *Back Board*

| ITEM NO. | DESCRIPTION |
|---|---|
| ALAA128TBB | Back Board |

### *Front Cover*

| ITEM NO. | DESCRIPTION |
|---|---|
| ALAA128TFC | Front Cover |

### *Phone Modem*

| ITEM NO. | DESCRIPTION |
|---|---|
| ALAA128TPM | Phone Modem |

### *TP 8 Expansion Module*

| ITEM NO. | DESCRIPTION |
|---|---|
| ALAAEMTP8 | TP 8 Expansion Module |

### *12V Alarm Battery 7Amp/Hr*

| ITEM NO. | DESCRIPTION |
|---|---|
| ALB12V7A | 12V Alarm Battery 7Amp/Hr |

## Agri Alert 800EZ

The Agri-Alert 800EZL is a complete alarm system that can monitor outside temperature, power, feed and watering systems, burglary, bio-security and more. This system constantly monitors your operation and quickly notifies you upon the detection of common site problems or failures. Call in from off-site for zone temperature and system status reports.

### FEATURES

- Graphical LCD screen allows you to view information quickly and clearly and is easy to navigate through menus
- Monitor up to 8 zones
- Acknowledge alarms by phone
- Call in from off site for zone temperature and system status report
- Spike Block surge/lightning protection on all zone inputs and system outputs
- Reliable rechargeable battery back-up
- Programmable alarm recall feature for acknowledged but unresolved alarms
- Self-diagnostics of complete system including wiring, sensors, outputs, fuses, battery, and more

- Independent output for a local siren or revolving light
- Non-volatile memory for all programmed parameters
- Security with up to 10 programmable user access codes
- Alarm memory log with time, user & date stamp
- Dialing of alarms to multiple phone numbers
- Built-in phone line seizure for added security
- Share phone line with other devices, no second line required
- Off-site phone-in capabilities for checking temperatures and other system functions
- Moisture and dust-tight ABS enclosures for harsh environment locations

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALAA800 | Agri Alert 800EZ Dialer Alarm Control |

- All zones can be bypassed individually or in groupings
- Any zone can be configured for dry contact, temperature or burglary

## Agri Alert 800EZ Parts

### Back Board

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALAA800EBB | Back Board |

### Phone Card

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALAA800EPC | Phone Card |

### Outdoor Temp Card

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALAA800OTC | Outdoor Temp Card |

### Front Cover & Top Board

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALAA800EFC | Front Cover & Top Board |

### Battery

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALAA800EZB | Battery |

### Agri Alert Temperature Sensors

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALAAS018 | Agri Alert Sensor w/ 18" Cord |
| ALAAS12 | Agri Alert Sensor w/ 12' Cord |
| ALAAS30 | Agri Alert Sensor w/ 30' Cord |

## Sensaphone 400 & 800

### *Protect Your Investments Even When You're Away.*

The Sensaphone® Alarm Monitor is an inexpensive way to monitor any type of facility. Once the Sensaphone® detects a problem, it automatically starts dialing your pre-programmed phone numbers and advises you of the problem. It continues to dial until someone responds to the call.

#### SENSAPHONE 400 FEATURES

- Each unit monitors power and temperature
- 4 configurable inputs
- Dials up to 4 phone numbers
- Line seizure feature gives the unit the ability to "seize" the line when it needs to dial unit
- Custom voice messaging
- Dials a pager or cell phone
- Listen-In feature allows you to hear on-site sounds
- Output for siren

#### SENSAPHONE 800 FEATURES

- 8 configurable inputs
- Dials up to 8 phone numbers
- Monitors power and temperature
- Line seizure feature gives the unit the ability to "seize" the line when it needs to dial out
- Custom voice messaging
- Dials your pager or cell phone
- Listen-In feature allows you to hear on-site sounds
- Siren output

### *Sensaphone Temperature Sensor*

- Small weatherproof temperature probe
- For indoor/outdoor temperature monitoring with a Sensaphone
- Stainless steel housing with a moisture resistant seal

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALSP0400 | Sensaphone 400 Alarm |
| ALSP0800 | Sensaphone 800 Alarm |
| ALSPRS | Sensaphone Temperature Sensor |

## Alarm Siren

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALS | Alarm Siren |

## Alarm Batteries

*ALB12V9A*        *ALAAB12*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALB12V9A | 12V Alarm Battery 9 Amp/Hr |
| ALAAB12 | 12V Alarm Battery 5 Amp/Hr |

## Thermal Alarm Thermostat

The Thermalarm III uses sealed magnetic switches to trigger an alarm condition. The Thermalarm III features a normally open dry contact that will close upon the temperature exceeding the high or low temperature alarm set-points, activating an alarm.

#### FEATURES/ADVANTAGES

- Corrosion resistant
- Simple set-hand adjustment
- Quick to respond to temperature change
- Works with most alarms
- Temperature Range: 20° - 110° F

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALTA | Thermal Alarm Thermostat |

## Normally Closed Thermal Alarm Thermostat

The Thermalarm III uses sealed magnetic switches to trigger an alarm condition. The Thermalarm III features a normally closed dry contact that will open upon the temperature exceeding the high or low temperature alarm set-points, activating an alarm.

#### FEATURES/ADVANTAGES

- Corrosion resistant
- Simple set-hand adjustment
- Quick to respond to temperature change
- Works with most alarms
- Temperature Range: 20° - 110° F

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| ALTANC | N.C. Thermal  Alarm Thermostat |

# Fans

## Val-Co

### *Galvanized Z-Fans*

### *The next big thing in rust-resistant ventilation,*

The Z-Fan is coated with a unique alloy compound that is more durable than galvanized steel and more cost-effective than fiberglass.

### F E A T U R E S

- Superior protection against ammonia and moisture that cause corrosion on the parts that need it most: housing panels, cone sections, and dampers.
- The "self-healing" coating forms a protective layer over cut edges and scratches over time to increase fan life.

*\*The Z-Fan housing is covered by a 7 year warranty when used in poultry applications.*

| ITEM NO. | DESCRIPTION |
|---|---|
| FNVH36ZGG | 36" Slantwall Hypermax Z-Fan |
| FNVH48ZGG | 48" Slantwall Hypermax Z-Fan |
| FNVH54ZGG | 54" Slantwall Hypermax Z-Fan |

| Z-FAN | 36" SLANTWALL HYPERMAX | 48" SLANTWALL HYPERMAX | 54" SLANTWALL HYPERMAX |
|---|---|---|---|
| | FNVH36ZGG | FNVH48ZGG | FNVH54ZGG |
| Rough Opening | 44.5" x 43.5" | 55.5" x 55.5" | 60.25" x 60" |
| Blade | Galvanized | Galvanized | Galvanized |
| Frame | Galvanized | Galvanized | Galvanized |
| HP | 0.5 HP | 1.5 HP | 1.5 HP |
| Voltage | 230 V | 230 V | 230 V |
| Phase | 1 | 1 | 1 |
| 0.05" | 11200 CFM, 19.4 CFM/Watt | 25200 CFM, 20.2 CFM/Watt | 29900 CFM, 20.6 CFM/Watt |
| 0.10" | 10300 CFM, 17.0 CFM/Watt | 23900 CFM, 17.7 CFM/Watt | 28100 CFM, 18.7 CFM/Watt |

### *Fiberglass Fans*

- Corrosion-resistant, molded fiberglass housing.
- Optimized use of motor's power curve.
- Sealed ball bearing and thermal overload protection.
- Exhaust cones available in fiberglass or poly

| ITEM NO. | DESCRIPTION |
|---|---|
| FNVH36FBC | 36" Fiberglass Hypermax Fan |
| FNVH36FBCS | 36" Fiberglass Hypermax Fan |
| FNVH50FGC | 50" Fiberglass Hypermax Fan |
| FNVH50FSC | 50" Fiberglass Hypermax Fan |
| FNVH54FSC | 54" Fiberglass Hypermax Fan |
| FNVH54FGC-HO | 54" Fiberglass Fan (High Output) |

| FIBERGLASS FAN | 36" FIBERGLASS HYPERMAX | 36" FIBERGLASS HYPERMAX | 50" FIBERGLASS HYPERMAX | 50" FIBERGLASS HYPERMAX | 54" FIBERGLASS HYPERMAX | 54" FIBERGLASS (HIGH OUTPUT) |
|---|---|---|---|---|---|---|
| ITEM # | FNVH36FBC | FNVH36FBCS | FNVH50FGC | FNVH50FSC | FNVH54FSC | FNVH54FGC-HO |
| Rough Opening | 44.5" x 44.5" | 44.5" x 44.5" | 56" x 58" | 56" x 58" | 60" x 60" | 60" x 60" |
| Blade | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum |
| Frame | Galvanized | Stainless Steel | Galvanized | Stainless Steel | Stainless Steel | Galvanized |
| HP | 0.5 HP | 0.5 HP | 1.5 HP | 1.5 HP | 1.5 HP | 1.5 HP |
| Voltage | 230 V | 230 V | 230 V | 230 V | 230 V | 230 V |
| Phase | 1 | 1 | 1 | 1 | 1 | 1 |
| 0.05" | 10500 CFM, 19.0 CFM/Watt | 10500 CFM, 19.0 CFM/Watt | 24300 CFM, 18.9 CFM/Watt | 23800 CFM, 22.1 CFM/Watt | 28900 CFM, 24.6 CFM/Watt | 30700 CFM, 22.6 CFM/Watt |
| 0.10" | 9600 CFM, 16.7 CFM/Watt | 9600 CFM, 16.7 CFM/Watt | 22900 CFM, 17.4 CFM/Watt | 22300 CFM, 20.0 CFM/Watt | 27000 CFM, 21.9 CFM/Watt | 28800 CFM, 20.4 CFM/Watt |

# Val-Co

## *Butterfly Fans*

VAL-CO HyperMAX Galvanized Damper fans feature all of the top performing features of the standard galvanized fans with an added damper to allow more control over airflow through the house.

| BUTTERFLY Z-FAN | 48" HYPERMAX BUTTERFLY Z-FAN | 54" HYPERMAX BUTTERFLY Z-FAN |
|---|---|---|
| ITEM # | FNVH48ZGGB | FNVH54ZGGB |
| Rough Opening | 55.5" x 55.5" | 60.25" x 60.25" |
| Blade | Galvanized | Galvanized |
| Frame | Galvanized | Galvanized |
| HP | 1.5 HP | 1.5 HP |
| Voltage | 230 V | 230 V |
| Phase | 1 | 1 |
| 0.05" | 24200 CFM, 19.8 CFM/Watt | 28900 CFM, 20.8 CFM/Watt |
| 0.10" | 22700 CFM, 17.9 CFM/Watt | 27000 CFM, 18.7 CFM/Watt |

| ITEM NO. | DESCRIPTION |
|---|---|
| FNVH48ZGGB | 48" Hypermax Butterfly Z-Fan |
| FNVH54ZGGB | 54" Hypermax Butterfly Z-Fan |

## *Parts for Butterfly Fans*

| ITEM NO. | DESCRIPTION |
|---|---|
| FNVHBDS | Butterfly Damper Spring |
| FNVHBIWC | Butterfly Inside Wire Clip |

## *Box Fans*

### FEATURES

- Heavy-duty PVC coated
- Welded wire guard screen
- Snap together guard screen for fast removal
- Versatile mounting options for most locations

Phase: 1
Volts: 110-115/220-230
CFM: 10520
CFM/Watt: 20.4

| ITEM NO. | DESCRIPTION |
|---|---|
| FNVB36DZ | 36" Box Z-Fan (Direct Drive) |

## *Motors*

| ITEM NO. | DESCRIPTION | POWER |
|---|---|---|
| MTMF05030 | Marathon Motor for 36" Fan | ½ HP, 1725 RPM |
| MTMF10030 | Marathon Motor 48" & 50" Fan | 1 HP, 1725 RPM |
| MTF112172556 | Marathon Motor for 54" Fan | 1½ HP, 1725 RPM |

## *Fan Blades*

| ITEM NO. | DESCRIPTION |
|---|---|
| FNB36VA062 | Fan Blade for 36" Box Z Fan |
| FNB36VH100G | Fan Blade for 36" Z-Fan |
| FNB48VH100G | Fan Blade for 48" Z-Fan |
| FNB54VH100G | Fan Blade for 54" Z-Fan |
| FNB36VHC | Cast Blade for 36" Fiberglass Fan |
| FNB50VHC | Cast Blade for 50" Fiberglass Fan |
| FNB54VHC | Cast Blade for 54" Fiberglass Fan |

## *Fan Bearings*

| ITEM NO. | DESCRIPTION |
|---|---|
| BRPB16GFYH | 1" Cast Pillow Block Bearing for Val-Co Fans |

## Val-Co

### Pulleys



Plastic Pulleys      Motor Pulleys

| ITEM NO. | DESCRIPTION |
|---|---|
| **PLASTIC PULLEYS** | |
| VAP801 | 8.25" x 1" Plastic Pulley for 36" Fan |
| VAP901 | 9.25" x 1" Plastic Pulley for 48" Fan |
| VAP101 | 10.25" x 1" Plasic Pulley for 54" Fan |
| **MOTOR PULLEYS** | |
| VAK3410 | AK34 x ⅝ Pulley for ½ HP Marathon Motor |
| VAK3210 | AK32 x ⅝ Pulley for 1 HP & 1½ HP Marathon Motor |

### Belts



VBAPTB

| ITEM NO. | DESCRIPTION |
|---|---|
| VBAX45 | 47.3" Cogged V Belt for 36" Galvanized Fan |
| VBAX46 | 48.3" Cogged V Belt for 48" Galvanized Fan & 36" Fiberglass Fan |
| VBAX48 | 50.3" Cogged V Belt for 54" Galvanized Fan & 50" Fiberglass Fan |
| VBAX52 | 54" Cogged V Belt for 54" Fiberglass Fan |
| VBAPTB | Power Twist A Link Belt    (priced per foot) |

### Fan Shafts



| ITEM NO. | DESCRIPTION |
|---|---|
| FNSHVHG | Shaft for Val-Co Hypermax Fan |

### Tensioners



FNBTAT      FNTIPC3

FNVBTA      *Used for Val-Co and Aerotech Fans*

| ITEM NO. | DESCRIPTION |
|---|---|
| FNVBTA | Auto Belt Tensioner for Val-Co Fan |
| FNBTAT | Fan Belt Tensioner Arm |
| FNTIPC3 | Cast Idler Pulley for Fan Belt Tensioner |

### Grills
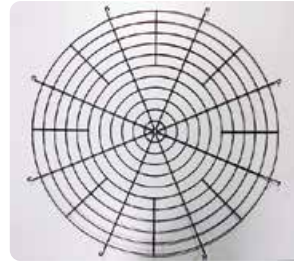


| ITEM NO. | DESCRIPTION |
|---|---|
| FNVHGC36 | Grill for 36" Hypermax Fan Cone |
| FNVHGC36W | Grill for 36" White Hypermax Fan Cone |
| FNVHGC48 | Grill for 48" Hypermax Fan Cone |
| FNVHGC54 | Grill for 54" Hypermax Fan Cone |

### Fan Cones



Fan Cones – Galvanized      Fan Cones – Fiberglass

| ITEM NO. | DESCRIPTION |
|---|---|
| **GALVANIZED** – *Sold per section. 4 sections per cone.* | |
| FNVHGCS36 | Cone Section for 36" Hypermax Fan |
| FNVHGCS48 | Cone Section for 48" Hypermax Fan |
| FNVHGCS54 | Cone Section for 54" Hypermax Fan |
| **FIBERGLASS** – *36" and 50" sold as complete cones. 54" sold per section.* | |
| FNCVP36WO | Cone for 36" Fiberglass Fan (2 pieces per cone) |
| FNVF50C | Cone for 50" Fiberglass Fan (1 piece per cone) |
| FNVHFC54 | Cone Section for 54" Fiberglass Fan (4 sections per cone) |

### Cone Support Straps



| ITEM NO. | DESCRIPTION |
|---|---|
| FNVHGCSS36 | Support Strap for 36" Hypermax |
| FNVHGCSS48 | Support Strap for 48" Hypermax |
| FNVHGCSS54 | Support Strap for 54" Hypermax |

## Aerotech

### *Classic Fans*

- High airflow performance, reduces the total number of fans needed
- Cast-aluminum 3-blade airfoil propeller
- Tapered housings and extended cones
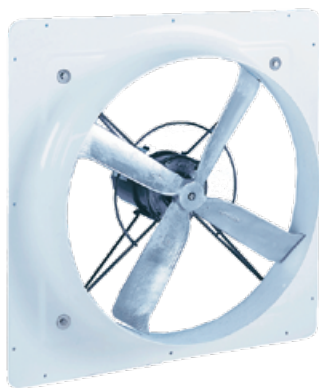
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNAC14 | 14" Classic Fan |
| FNAC16 | 16" Classic Fan |
| FNAC18 | 18" Classic Fan |
| FNAC24 | 24" Classic Fan |

### *Box Fans*

- Direct drive only
- Motors are totally enclosed
- Wood housing

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNAG36BWDD | 36" Grower Wood Box Fan (Direct Drive) |

### *Panel Fans*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNAG36PDD | 36" Grower Panel Fan (Direct Drive) |
| FNAG36PBD | 36" Grower Panel Fan (Belt Drive) |

### *Fan Motors*

| ITEM NO. | DESCRIPTION | HP / RPM |
|----------|-------------|----------|
| MTAFM181725 | Motor for 14" Classic Fan | ⅛ HP 1625 RPM |
| MTAFM141625 | Motor for 16" Classic Fan | ¼ HP 1625 RPM |
| MTAFM131625 | Motor for 18" Classic Fan | ⅓ HP 1625 RPM |
| MTAFM131075 | Motor for 24" Classic Fan | ⅓ HP 1075 RPM |
| MTAFM12825SS | Motor for 36" Box Fan & 36" Direct Drive Panel Fan | ½ HP 825 RPM |
| MTAFM121725 | Motor for 36" Belt Drive Panel Fan | ½ HP 1725 RPM |

### *Fan Blades*

FNB14A       FNB36AVBD

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNB14A | Fan Blade for 14" Fan |
| FNB16A | Fan Blade for 16" Fan |
| FNB18A | Fan Blade for 18" Fan |
| FNB24A | Fan Blade for 24" Fan |
| FNB36AVBD | Fan Blade for 36" Belt Drive Fan |
| FNB36AVDD | Fan Blade for 36" Direct Drive Fan |
| FNB48AGBD | Fan Blade for 48" Belt Drive Grower Fan |
| FNB51AV | Fan Blade for 51" Vortex Fan |
| FNB55AV | Fan Blade for 55" Vortex Fan |

### *Fan Shafts*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNSHAG36 | Fan Shaft for 36" Belt Drive Panel Fan |
| FNSHAG48 | Fan Shaft for 48" Belt Drive Panel Fan |
| FNSHAV51 | Fan Shaft for 51" Vortex Fan |
| FNSHAV55 | Fan Shaft for 55" Vortex Fan |

### *Motor Mounts*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FNACMM14 | Motor Mount for 14" Classic Fan |
| FNACMM18 | Motor Mount for 16" & 18" Classic Fan |
| FNACMM24 | Motor Mount for 24" Classic Fan |

## Multifan

### Panel Fans

**Multifan Ventilation Equipment**

| ITEM NO. | DESCRIPTION |
|---|---|
| FNMF14PPG24 | 14" Poly Panel Fan |
| FNMF18PPG24 | 18" Poly Panel Fan |
| FNMF24PPN24 | 24" Poly Panel Fan |

| PANEL FAN | 14" | 18" | 24" |
|---|---|---|---|
| ITEM # | FNMF14PPG24 | FNMF18PPG24 | FNMF24PPN24 |
| Voltage | 240 | 240 | 240 |
| CFM 0" S.P. | 2170 | 3790 | 7110 |
| RPM | 1600 | 1600 | 1000 |
| Amps | 1.00 | 1.60 | 3.10 |
| Speed Controllable | Yes | Yes | Yes |

### System 4 Fans

| ITEM NO. | DESCRIPTION |
|---|---|
| FNMF18S4 | 18" System-4 Fan |
| FNMF24S4 | 24" System-4 Fan |

| SYSTEM 4 FAN | 18" | 24" |
|---|---|---|
| ITEM # | FNMF18S4 | FNMF24S4 |
| Voltage | 240 | 240 |
| 0.05" S.P. | 3470 | 6520 |
| 0.10" S.P. | 3321 | 6290 |
| RPM | 1600 | 1000 |
| Amps | 1.45 | 3.10 |

### Turbo Fans

**Multifan Ventilation Equipment**

| TURBO FAN | 36" |
|---|---|
| ITEM # | FNMF36T24 |
| Voltage | 240 |
| CFM | 12,840 |
| RPM | 770 |
| Amps | 3.50 |

| ITEM NO. | DESCRIPTION |
|---|---|
| FNMF36T24 | 36" Turbo Fan |
| FNMBCL | Ceiling Mount Bracket for 36" Turbo Fan |
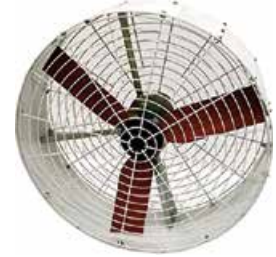
### V-Flo Fans

| ITEM NO. | DESCRIPTION |
|---|---|
| FNMFVF120 | 120V V-Flo Fan |
| FNMFVF240 | 240 V V-Flo Fan |

| V-FLO FAN | 120 V | 240 V |
|---|---|---|
| ITEM # | FNMFVF120 | FNMFVF240 |
| Voltage | 120 | 240 |
| CFM | 3050 | 3050 |
| RPM. | 1140 | 1130 |
| Amps | 2.0 | 0.9 |
| Speed Control | Yes | Yes |

## Double L

### Circulating Fans

**DOUBLE L GROUP LLC**

#### FEATURES

- Reduces temperature stratification by mixing cold air on floor with hot ceiling air, tempering air and creating more uniform air temperatures throughout house
- Less heater cycle times and lower fuel costs
- Drier litter, lower ammonia concentrations, better flock performance
- Widespread grill reduces dirt buildup and allows for easier cleaning of fan
- Mounting bracket included to easily swivel and tilt fan for ease of cleaning and to change direction and angle of house air circulation
- Very beneficial in old houses that are not tightly sealed

| ITEM NO. | DESCRIPTION |
|---|---|
| FNC18DA | 18" Circulating Fan |
| FNC20DA | 20" Circulating Fan |
| FNC24DA | 24" Circulating Fan |

| CIRCULATING FAN | 18" | 20" | 24" |
|---|---|---|---|
| ITEM # | FNC18DA | FNC20DA | FNC24DA |
| HP | $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ |
| Voltage | 120 | 120 | 120 |
| Amps | 0.8 | 1.2 | 1.3 |
| Low CFM | 3500 | 4350 | 5600 |
| High CFM | 4000 | 5250 | 6580 |
| Speed | 2 | 2 | 2 |
| Phase | 1 | 1 | 1 |

## J&D Manufacturing

### Barnstormer Basket Fan

J&D Manufacturing's Barnstormer is a dependable leader in air recirculation. The patented easy-open front guard is an exclusive feature that drastically reduces cleaning and maintenance time. The Barnstormer's tapered guard creates a high velocity air pattern that allows greater distance between fans, which means less fans in your barn and more money in your pocket. The Barnstormer is the only fan on the market with the hinged open front guard. This patented design helps cut cleaning and maintenance time. Dirt and dust are removed in minutes to get you right back to energy-efficient, high-output performance.

| ITEM NO. | DESCRIPTION |
|---|---|
| FNJBS36 | 36" Barnstormer Basket Fan |

| 36" BARNSTORMER BASKET FAN | |
|---|---|
| ITEM # | FNJBS36 |
| Output CFM | 10,050 |
| HP | 1/2 |
| Voltage | 115/230 |
| HZ | 60 |
| Ph | 1 |
| Speed | 1 |
| RPM | 844 |
| Drive | Direct |
| Propeller | 3 Galv. |
| Speed Control | No |
| Oscillating | No |

## Acme Fan Parts

### Fan Blades

| ITEM NO. | DESCRIPTION |
|---|---|
| FNB36ACBDR | 36" Fan Blade for BDR Fan |
| FNB48ACBDR | 48" Fan Blade for BDR Fan |
| FNB54ACBDR | 54" Fan Blade for BDR Fan |

### Fan Shafts

| ITEM NO. | DESCRIPTION |
|---|---|
| FNSACBDR36 | 36" Shaft for BDR Fan |
| FNSHACBDR48 | 48" Shaft for BDR Fan |
| FNSHACBDR54 | 54" Shaft for BDR Fan |

## Ceiling Fans

| ITEM NO. | DESCRIPTION |
|---|---|
| ERCF | 48" Ceiling Fan |
| CFSC120 | Ceiling Fan Speed Control/2 Fan Max |
| CFSC1205 | Ceiling Fan Speed Control 5 Fan Max |

## Coolair Fan Parts

### Fan Blades

| ITEM NO. | DESCRIPTION |
|---|---|
| FNB36CA | 36" Fan Blade  (price for one blade) |
| FNB48CA | 48" Fan Blade  (price for two blades) |

### Hubs

| ITEM NO. | DESCRIPTION |
|---|---|
| FNCA36H | 36" Coolair Hub – 13" Diameter |
| FNCA48H | 48" Coolair Hub – 15" Diameter |

### Shaft & Bearing Assemblies

| ITEM NO. | DESCRIPTION |
|---|---|
| FNSCA36 | 36" Fan Shaft & Bearing Assembly |
| FNSCA48 | 48" Fan Shaft & Bearing Assembly |

### Maintenance Tips for Fans

- Make sure the propeller is secure on the shaft and there are no signs of damage.
- Ensure the belts are properly tensioned.
- Lubricate the pillow block bearings on a quarterly basis.
- Clean the fan. Using a brush or cloth, remove any dust from the motor. **DO NOT USE A PRESSURE WASHER ON THE MOTOR!**
- Clean excess dirt from the fan shutters. Dirty fan shutters can cause a 45% loss of your fan's capacity.
- Clean dust from the fan guards with a brush. Excess dust can reduce airflow.
- Remove any dust from the fan housing using a pressure washer.

## Fan Shutters

### White Plastic Shutters

| ITEM NO. | DESCRIPTION | | ACTUAL DIMENSIONS |
|---|---|---|---|
| FNSAV14 | 14" Plastic Shutter | Munters | 19½" x 19½" |
| FNSAV1618 | 16" & 18" Plastic Shutter | Munters | 21⅝" x 21⅝" |
| FNSAV24 | 24" Plastic Shutter | Munters | 27⅝" x 27⅝" |
| FNSAV36 | 36" Plastic Shutter | Munters | 41⅞" x 41⅞" |
| FNSVP36W | 36" Plastic Shutter | Valco | 42¾" x 42¾" |
| FNSVP48W | 48" Plastic Shutter | Valco | 54½" x 54½" |
| FNSVP50W | 50" Plastic Shutter | Valco | 54" x 56⅛" |
| FNSAV51 | 51" Plastic Shutter | Munters | 55⅜" x 56⁷⁄₁₆" |
| FNSVP54W | 54" Plastic Shutter | Valco | 59" x 59" |

### Black Plastic Shutters

| ITEM NO. | DESCRIPTION | ACTUAL DIMENSIONS |
|---|---|---|
| FNSVP36B | 36" Plastic Shutter (Val-Co) | 42¾" x 42¾" |
| FNSVP48B | 48" Plastic Shutter (Val-Co) | 54½" x 54½" |
| FNSVP50B | 50" Plastic Shutter (Val-Co) | 54" x 56⅛" |
| FNSVP54B | 54" Plastic Shutter (Val-Co) | 59" x 59" |

### Plastic Fan Shutter Parts

*Plastic Shutter Flaps*

*FNSVPLT*

| ITEM NO. | DESCRIPTION |
|---|---|
| FNSVPF36 | 36" Plastic Shutter Flap |
| FNSVPF48 | 48" Plastic Shutter Flap |
| FNSVPF54 | 54" Plastic Shutter Flap |
| FNSVPLT | Plastic Shutter Turn Latch |

### Aluminum Shutters

| ITEM NO. | DESCRIPTION | ACTUAL DIMENSIONS |
|---|---|---|
| FNS24D | 24" Dayton Fan Shutter | 24" x 24" |
| FNS30D | 30" Dayton Fan Shutter | 30" x 30" |
| FNS36D | 36" Dayton Fan Shutter | 36" x 36" |
| FNS42D | 42" Dayton Fan Shutter | 42⅛" x 42⅛" |
| FNS48D | 48" Dayton Fan Shutter | 48⅜" x 48⅜" |

### Motorized Shutters

*FNSMD120240*

| ITEM NO. | DESCRIPTION | ACTUAL DIMENSIONS |
|---|---|---|
| FNSM30A | 30" Aluminum Shutter | 30¼" x 30¼" |
| FNSM36A | 36" Aluminum Shutter | 36¼" x 36¼" |
| FNSMD120240 | Dual Voltage Shutter Motor | |

## Fan Doors



*TFCE6666*



*TFCSW6666*



*INTDLE*



*INTDLEF*

| ITEM NO. | DESCRIPTION |
|---|---|
| TFCSW6666 | 68" x 68" Southwest Fan Cover |
| TFCE6666 | 68" x 68" Eagan Tunnel Fan Cover |
| INTDLEF | Tunnel Door Latch (New) |
| INTDLE | Tunnel Door Latch (Old) |
| INTDLE11 | R-11 Tunnel Door Latch |

## Fan Covers



| ITEM NO. | DESCRIPTION |
|---|---|
| FNCC36.5 | Elastic Fan Cone Cover 36"-52" Diameter |
| FNCC52 | Elastic Fan Cone Cover 52"-72" Diameter |

## Zipper Covers





*INTL4*

| ITEM NO. | DESCRIPTION |
|---|---|
| ZCF66W70H | Zipper Cover for Fan 66" W x 81" H |
| ZCF62W69H | Zipper Cover for Fan 62" W x 69" H |
| INTL4 | 4" Turn Latch |

# Inlets

## Tunnel Doors



### FEATURES

- Superior air mixing
- Eliminates dead air spaces or hot spots
- .019 smooth aluminum or .045 fiberglass available in black or white
- Available with an R-7 or R-11 insulation value
- Very easy to install and operate
- Wide range of sizes available

| ITEM NO. | DESCRIPTION |
|---|---|
| INTDE580 | 5' x 80" Tunnel Door |

## Tunnel Door Parts



*INETDH*

*INTDEDS*          *INTDLE*          *INTDLEF*    *INTDELBK-Z*
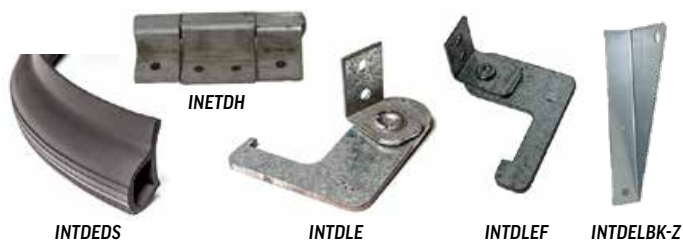
| ITEM NO. | DESCRIPTION |
|---|---|
| INTDEC | Connector Rail for 5' Tunnel Door |
| INTDGSA | Support Angle for Tunnel Door |
| INTDEDS | Door Seal for Tunnel Door (sold by the foot) |
| INETDH | Hinge for Tunnel Door |
| INTDLE | Tunnel Door Latch |
| INTDLEF | Tunnel Door Latch (Fiberglass) |
| INTDELBK-Z | Tunner Door Lift Bracket |

## Aerotech



### FEATURES

- PVC construction
- Low volume air flow
- Top edge seal to prevent air leaks
- Uses standard cable or rod.
  Framed opening: 7½" x 47"

| ITEM NO. | DESCRIPTION |
|---|---|
| INDA848FL | 8" x 48" Frameless Inlet Door |

## Double L

### 2' x 2' Drop Down Ceiling Vent



*INCV2X2DDWA*
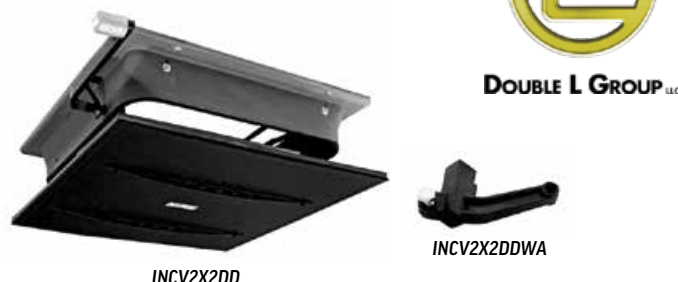
*INCV2X2DD*

Rough Opening: 23.75" x 23.75"
This inlet's 360° radius corner design increases fuel savings, air distribution and air mixing, as well as produces drier litter, and decreases humidity.

| ITEM NO. | DESCRIPTION |
|---|---|
| INCV2X2DD | 2' x 2' Jet Air Drop Down Ceiling Vent |
| INCV2X2DDCWK | Counterweight Kit f/ 2x2 Ceiling Vent |
| INCV2X2DDWA | Plastic Winch Arm f/ 2x2 Ceiling Vent |

## Double L

### TJ4200 Ceiling Air Inlet



- Approx. 1,812 cfm @ .125 SP; Rough opening 22.5" x 22.5"
- 4-Directional louvers direct air along the ceiling and hold air up longer while mixing with room air, distributing air evenly
- Mixes warm tempered air from attic with house air along ceiling for better mixing and prevents downdrafts on birds
- Less drafty conditions and chilling during brooding
- Engineered to allow more CFM through inlet and operates at a higher static pressure for better air mixing
- More uniform house temperatures during minimum ventilation
- Drier litter, lower fuel costs, and lower ammonia concentrations
- Easy snap together assembly – no tools required

| ITEM NO. | DESCRIPTION |
|---|---|
| INTJ4200 | TJ4200 Ceiling Air Inlet |

### 2 Way Ceiling Vents

These inlets are great for when you need precise control of air movement. The curved blades direct air along the ceiling, providing proper air mixing, minimizing condensation, and preventing the inlets from freezing up. They are constructed of PVC and are able to withstand pressure washing, but are fully insulated to prevent condensation. There is no exposed insulation on the lid. Mounting hardware comes preinstalled in the inlet for easier installation.



*INCVDL2731*

*INCVDL2747*

| ITEM NO. | DESCRIPTION | SPECS |
|---|---|---|
| INCVDL2731 | 27 x 31 2-Way Ceiling Vent | Approx. 3,107 cfm @ 0.10 SP; Framed Opening: 29" x 24.75" |
| INCVDL2747 | 27 x 47 2-Way Ceiling Vent | Approx. 4,750 cfm @ 0.10 SP; Framed Opening: 44" x 24.75" |

## Double L

### Curved Plastic Sidewall Inlets

These are actuated inlets with an aerodynamic, curved blade that directs fresh air along the ceiling to the peak for maximum air mixing. It has a fully insulated blade to minimize sweating in cold climates and is made out of all PVC, making it resistant to corrosion and infestations.

**DOUBLE L GROUP** LLC

*INDPCCSW4612*

| ITEM NO. | DESCRIPTION | SPECS |
|---|---|---|
| INDPCCSW4608 | 8" Inlet | Approx. 2,500 cfm @ 0.1 SP Framed Opening: 46.5" x 8.5" |
| INDPCCSW4612 | 12" Inlet | Approx. 2,500 cfm @ 0.1 SP Framed Opening: 46.5" x 12.5" |
| INDPCCSWL | Plastic Latch for Curved Ceiling Inlet | |

### WallMount Inlets

**DOUBLE L GROUP** LLC

| ITEM NO. | DESCRIPTION | OPENING SIZE |
|---|---|---|
| INDPCWSW4413 | 44 x 13 Curved Plastic Wall Mount Inlet Door | Rough Opening: 44½" x 13½". Framed Opening: 44" x 13⅛" |

## Val-Co

### Sidewall Inlet

**VALCO**

- Rough Opening: 11¼" x 44½"
- Latest in aerofoil technology design throws air to the center of the building
- Insulated doors minimize condensation
- Reinforced doors seal tightly with industrial weather-stripping
- Side seals assure proper airflow direction
- Injection molded framed components ease assembly
- Full length corrosion resistant hinge
- Constructed of tough polymer materials
- Pre-assembled inlet doors minimize installation time

| ITEM NO. | DESCRIPTION |
|---|---|
| INDV942CPS | 9 x 42 Curved Plastic Sidewall Inlet Door |

## Galvanized Inlets

*INDC8G*

*INDSWG946*

| ITEM NO. | DESCRIPTION | OPENING SIZE |
|---|---|---|
| INDC8G | 8" Galvanized Continuous Inlet Door | 8" opening needed for installation |
| INDC12G | 12" Galvanized Continuous Inlet Door | 12" opening needed for installation |
| INDSWG946 | 8" x 46" Galvanized Sidewall Inlet Door | Rough Opening: 8¼" x 46¼" |

## Inlet Parts

*INDLB*　*INDGLB*　*INDSWGWB*　*INGDL*　*INADLS*

| ITEM NO. | DESCRIPTION |
|---|---|
| INDLB | Lift Bracket for Inlet Door |
| INDHS | SS Hinge for Galvanized Inlet Door |
| INDGLB | Galvanized L Bracket for Inlet Door |
| INDSWGWB | Winching Bracket for Galvanized Sidewall Inlet Door |
| INGDL | Galvanized Inlet Door Latch |
| INADLS | Inlet Door Latch Spacer (White) |

# Evaporative Cooling

## Cool Cells

### Cool Cell Kit



#### KIT COMES WITH

- 10' of trough
- 1 top cover
- 1 extrusion
- 5 hanger brackets
- 1 trough coupler
- 5 pipe hangers
- 1 – 1½" PVC coupler
- 1 – 1½" PVC pipe with holes
- & 20 SS Tek Screws.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CCV610K | 6" x 10' Cool Cell Kit |

### Cool Cell Header
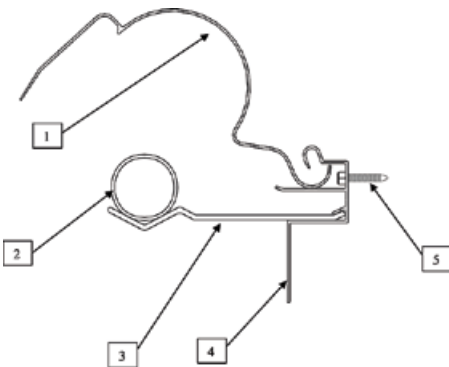


| ITEM NO. | DESCRIPTION | NO. IN DIAGRAM |
|----------|-------------|----------------|
| CCVTC | Aluminum Top Cover | 1 |
| CCVPP15H | 1½ PVC Pipe w/ Holes | 2 |
| CCVWPB | Wire Pipe Hanger Bracket | 3 |
| CCVTAE | Top Aluminum Extrusion | 4 |
| HRTS1015S | 10 x 1½" SS Tek Screw | 5 |

## Cool Cell Parts



CCVT8A   CCVTHB   PFCP8

CCVTRP   CCVTRC   PFC8

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CCEC65L | 6" x 5' Cool Cell End Cap-Left |
| CCEC65R | 6" x 5' Cool Cell End Cap-Right |
| CCVT8A | Trough x 8" PVC Adapter |
| CCVTHB | Trough Hanger Bracket |
| CCVTRC | Trough Coupler |
| CCVTRP | 8" PVC Trough |
| PFC8 | 8" Fernco Coupler |
| PFCP8 | 8" Fernco Pipe Cap |



OG3456506   CCEHG1

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CCEHGPT | Extra Heavy Glue (1 Pint) |
| CCEHG1 | Extra Heavy Glue (1 Gallon) |
| OG3456506 | 3" White Bristle Chip Brush |

### Cool Cell Pads

Evaporative Cooling Pads are designed for use in an Evaporative Cool Cell System. These systems take advantage of the natural cooling effect of evaporation to combat seasonal dips in production caused by heat stress.

- 6" Thick x 12" Wide
- 15/45 flute
- 1 side-edge guard coated
- Bulk pricing available

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EVCCP61260 | 6" x 12" x 60" Cool Cell Pad |

## Cool Cells

### Cool Cell Pumps & Parts



*Cool Cell Pump*

*Screen Filter*

*Float Valve*

*Retainer Ring*

*Double Pipe Bracket*

*Intake Hose*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EVVCCP301V | 30 Gallon Goulds Cool Cell Pump (110V) |
| EWCCP601V | 60 Gallon Goulds Cool Cell Pump (110V) |
| EVVCCP60 | 60 Gallon Goulds Cool Cell Pump (¾HP 220V) |
| EVCCSF | Cool Cell Screen Filter |
| EVCCTFV | Float Valve for Cool Cell Tank |
| EVCCTFVD | Diaphragm for Cool Cell Float Valve |
| EVCCTFVRR | Retainer Ring for Cool Cell Float Valve |
| EVCCTFVSOP | Shut-Off Pad for Cool Cell Float Valve |
| EVCCDPB | Double Pipe Bracket for Cool Cell (1 Kit) |
| WTVIH12 | ½" Val-Co Intake Hose |

## SDR Pipe & Fittings



*Coupler*

*Cap*

*Cross*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PP358 | 8" SDR 35 Pipe per foot |
| PP35C8 | 8" SDR 35 Coupler |
| PP35CP8 | 8" SDR 35 Cap |
| PP35CR8 | 8" SDR 35 Cross |

## Fogger Systems

### Standard Fogger Systems



*EVP10*

*EVADV*  *EVFN*  *EVFN2*  *EVFN.89*  *PPT05X01*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EVP07 | ¾ HP Booster Pump |
| EVADV | 70 lb. Automatic Drain Valve (Brass) |
| EVFN.89 | White Fogger Nozzle .89 GPH |
| EVFN | Cream Fogger Nozzle 1.2 GPH |
| EVFN2 | Gray Fogger Nozzle 2 GPH |
| PPT05X01 | ½"S x ½"S x ⅛"T PVC Fogger Tee |
| PP405 | ½" PVC Pipe (Schedule 40 pipe. Price per foot.) |

### High Pressure Polair Fogger Systems



The PolAIR High Pressure Fog System atomizes water into billions of micron-sized droplets which flash evaporate upon contact with the air for the greatest possible temperature reduction. They are custom designed and installed with little to no modifications. This system is used in layer, broiler, breeder and turkey houses to provide temperature and humidity control during critical phases of poultry production.

#### POLAIR COOLING BENEFITS:

- Reduces mortality rates caused by heat stress
- Increases egg mass and quantity during the summer
- Accelerates weight gain, allowing broilers to go to market sooner/heavier
- Provides even cooling throughout the building

#### HUMIDIFYING BENEFITS:

- Provides excellent dust control
- Maintains ideal humidity range during brooding
- Disinfection and air sterilization

### Nozzles

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PANA | Polair Nozzle Assembly |
| PANT | Polair Nozzle Tip |
| PANCSF | Flared SS Seal for Nozzle Base |
| PANCST | SS Seal for Nozzle Tip |
| PANCVB | Check Valve Ball for Nozzle |
| PANCVS | Check Valve Spring for Nozzle |

*PANA*

## Fogger Systems

### Brass Compression Fittings

PABCC12     PABCL12     PABCP12     PABCT12     PABV

| ITEM NO. | DESCRIPTION |
| --- | --- |
| PABCC12 | ½" Brass Coupler |
| PABCFA12 | ½"Compression x ½" FPT Adaptor |
| PABCL12 | ½" Brass Compression L |
| PABCL12NPT | ½"Compression x ½" MPT Elbow |
| PABCLA1238 | ½" Compression x ⅜" MPT Elbow |
| PABCMA12 | ½"Compression x ½" MPT Adaptor |
| PABCMA1238 | ½"Compression x ⅜" MPT Adaptor |
| PABCP12 | ½" Compression Plug |
| PABCT12 | ½" Brass Compression T |
| PABCT12NPT | ½"Compression x ½" MPT Tee |
| PABV | High Pressure Polair Ball Valve |

### Polair Pressure Regulator

| ITEM NO. | DESCRIPTION |
| --- | --- |
| PAPRV | Polair Pressure Regulator  (5 GPM) |

### Pressure Gauge

2000 lb. Pressure Gauge     100 lb. Oil Filled Gauge

*Pressure Regulator*

| ITEM NO. | DESCRIPTION |
| --- | --- |
| PAPG2000 | Polair 2000 lb. Pressure Gauge |
| WTPG1000F | 100 lb. Gauge Oil Filled |

### Pressure Switch

| ITEM NO. | DESCRIPTION |
| --- | --- |
| PAPS | Polair Pressure Switch |

## Solenoids

PASV34L

| ITEM NO. | DESCRIPTION |
| --- | --- |
| PASV34L | Polair ¾" 24VAC Solenoid-Low Pressure |
| PASV38 | Polair ⅜" 24VAC Solenoid-High Pressure |

### Relays

PAR24VC43A

| ITEM NO. | DESCRIPTION |
| --- | --- |
| PAOR9-45A | Polair Overload Relay 9-45 Amp |
| PAR24VC43A | Polair Relay 24V Coil 43A |

### Adjustable Drain Valve

| ITEM NO. | DESCRIPTION |
| --- | --- |
| PAADV | Polair Adjustable Drain Valve |

PAADV

### Filters & Filter Housings

WTFPA1     WTFPA5S     WTVFH     WTVFHTC     WTVFHW

| ITEM NO. | DESCRIPTION |
| --- | --- |
| WTFPA1 | 1 Micron Polair Filter |
| WTFPA5 | 5 Micron Polair Filter |
| WTFPA5S | 5 Micron Scale Inhibitor Filter |
| WTVFH | Val-Co Water Filter Housing |
| WTVFHOR | Val-Co Filter Housing O Ring |
| WTVFHTC | Top Cap for Val-Co Filter Housing |
| WTVFHW | Val-Co Filter Housing Wrench (Polair) |

### Cleaners

| ITEM NO. | DESCRIPTION |
| --- | --- |
| WTPF5 | 5 Gallon Parafoss |

Sturdy Built Manufacturing, LLC

**Take Advantage of Natural Ventilation!**
Sturdy Built curtain systems are the long-term solution for proper ventilation on your existing or new facilities. Each custom-fit system is designed for operator convenience and built to withstand harsh environments for many years.
**Contact us for assistance on selecting and installing the best system for your needs.**



Double Roll-Up



Center Roll-Up



Drop & Roll



Single Roll-Up

## Sturdy Built Quality
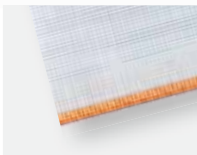


Premium-Quality 16 oz. Super Clear Curtain Material



Aluminum Keder Tubing Roll-up System



Galvanized Curtain Doors provide easy drive accessibility



Birdwire is hot-dipped galvanized after welding



Manual or Electric Drives



(Optional) Intelligent Environ-tech Curtain Automation

**Ask for the Sturdy Built Ventilation Systems Guide for More System Choices!**

# Curtains

*Custom-cut curtains available to fit your application!*
*Available in 5.3 oz, 6.1 oz, 7.5 oz, and 10 oz.*

*Call us today for your custom curtain!*

## Single Hem Curtain

*ALL CURTAIN PRICING IS PER FOOT.*

| ITEM NO. | DESCRIPTION |
|---|---|
| CR645 | 45" Clear 7.5 oz. |
| CR657 | 57" Clear 7.5 oz. |
| CR669BO | 69" Black/White 6.1 oz. |
| CR669 | 69" Clear 7.5 oz. |
| CR681 | 81" Clear 7.5 oz. |
| CR693 | 93" Clear 7.5 oz. |
| CR7105 | 105" Clear 7.5 oz. |

## Double Hem Curtain

*ALL CURTAIN PRICING IS PER FOOT.*

| ITEM NO. | DESCRIPTION |
|---|---|
| CR618DH | 18" Clear 7.5 oz. |

## Tunnel Curtain

*ALL CURTAIN PRICING IS PER FOOT.*

| ITEM NO. | DESCRIPTION | HEM SPACING |
|---|---|---|
| CR669BO T | 69" Black Out Single Hem with 2 Mid Hems | 1st mid hem is 18" from the top, 2nd mid hem is 36" from the top |
| CR669CT | 87" Clear Single Hem with 3 Mid Hems | 1st mid hem is 18" from the top, 2nd mid hem is 32" from the top, 3rd mid hem is 48" from the top |

**7.5 OZ. SAMPLE**

**CR669BO T, CR669BO**

## Brood Curtain

*Custom sizes & configurations available.*

| ITEM NO. | DESCRIPTION |
|---|---|
| ZCB3Z48 | 3 Zipper Brood Curtain for 48' House |
| ZCB3Z54 | 3 Zipper Brood Curtain for 54' House |
| ZCB3Z63 | 3 Zipper Brood Curtain for 63' House |

## Zippered Door Covers

| ITEM NO. | DESCRIPTION |
|---|---|
| CRZED812 | 8x12 Zipper Cover |
| CRZED912 | 9x12 Zipper Cover |
| CRZED914 | 9x14 Zipper Cover |

## Curtain Cane Switch

| ITEM NO. | DESCRIPTION |
|---|---|
| CRCS | Curtain Cane Switch |
| SWWCCA | Weathertight Switch for AVS Cane Switch |

**SWWCCA**

**CRCS**

## Curtain Adhesive

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CRPA | 12 oz. Curtain Patch Adhesive |

## Curtain Tape

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CRT | Curtain Tape (White) |

## Curtain Winching Supplies



*1400 lb. Winch*

*Winch Bracket*

*³⁄₁₆ Galv. Cable*

*Screw Hook*

*⁵⁄₃₂ Rope*

*2" Nylon Pulley*

*⅛" Cable Clamp*

*Cable Counter Weight*

*Curtain Support Bracket*

*½" Black Pipe*

*EMT Swagged Conduit*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| 1X4-12T | 1x4-12 Treated Lath |
| CB316G | ³⁄₁₆" Galv Cable |
| CBC18G | ⅛" Cable Clamp |
| CBCW | Cable Counter Weight 27 lbs. |
| CBP2N | 2" Nylon Pulley |
| CBW14 | 1400 lb. Winch |
| CBWB | Winch Bracket |
| CRSB | Curtain Support Bracket |
| HRSH516 | ⁵⁄₁₆ x 3.5" Screw Hook (Zinc) |
| PB05T | ½" Black Pipe |
| PEMT05S | ½" EMT Swaged Conduit |
| RPN532 | ⁵⁄₃₂ Nylon Rope 1000' Roll |

# Electric Winches

## SafeTrac Winches

The Curtain and Inlet Operators from VAL-CO® are made for the long haul because they are specifically engineered for optimum performance in the harshest conditions. SafeTRAC Gen III Operators are the most durable performers in the business and they will provide you with a smooth and quiet operation for many years. The newly-redesigned indoor SafeTRAC Gen III Acme-screw models are available in 24", 36", 48", and 72" sizes with a 110/220V, 60/50Hz, 1PH motor for domestic and international use.

### EACH MODEL ALSO INCLUDES:

- Installation options to fit any application
- Greasable needle bearing pulleys
- Helical gears for maximum efficiency and performance
- Safety features to prevent over-run damage
- Up to 4,000 lb. (1.800 kg.) capacity
- Interior installation
- Polymer thread block engineered for superior performance and longevity

| MODEL | LENGTH | TOP ASSEMBLY | VOLTAGE | MANUAL OVERRIDE SWITCH |
|---|---|---|---|---|
| INVSW36110 | 36 | Sprocket | 110 | YES |
| INVSW36220 | 36 | Sprocket | 220 | YES |
| INVSW48110 | 48 | Pulley | 110 | YES |
| INVSW48220 | 48 | Pulley | 220 | YES |

| ITEM NO. | DESCRIPTION |
|---|---|
| INVSW36110 | 36" 110V Val-Co SafeTrac Winch |
| INVSW36220 | 36" 220V Val-Co SafeTrac Winch |
| INVSW48110 | 48" 110V Val-Co SafeTrac Winch |
| INVSW48220 | 48" 220V Val-Co SafeTrac Winch |

## Header Assembly With Cable & Pulley

| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|---|---|---|
| ½FFW | ½" Fender Washer | 1 |
| INVSP | Cast Pulley | 2 |
| INVSSG | Greasable Shaft f/ Pulley | 3 |
| INVSCGB | Cable Guide Bracket | 4 |
| INVSSGLN | Lock Nut f/ Greasable Shaft on SafeTrac | 5 |
| GFZX18FPT | Grease Zerk w/ ⅛" FPT Adaptor | 6 |
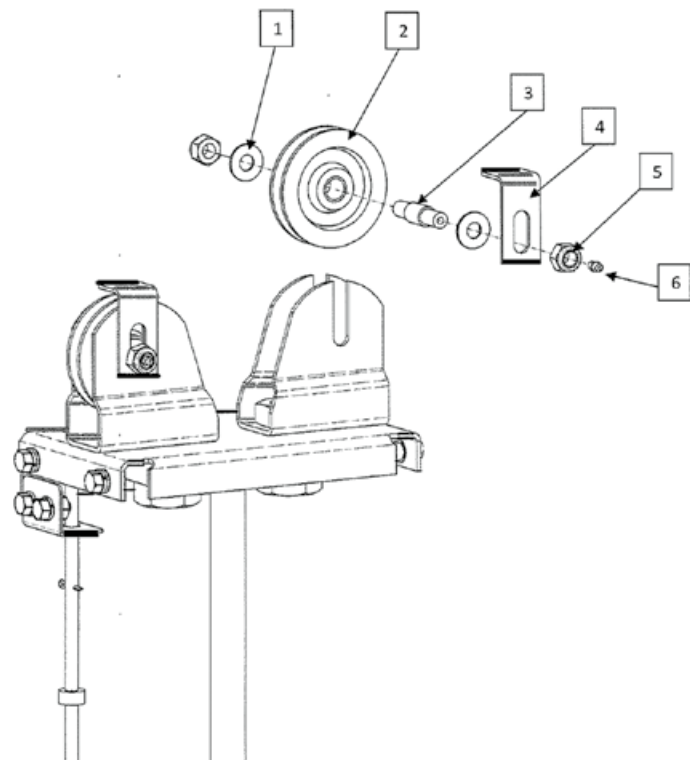
## SafeTrac Diagram
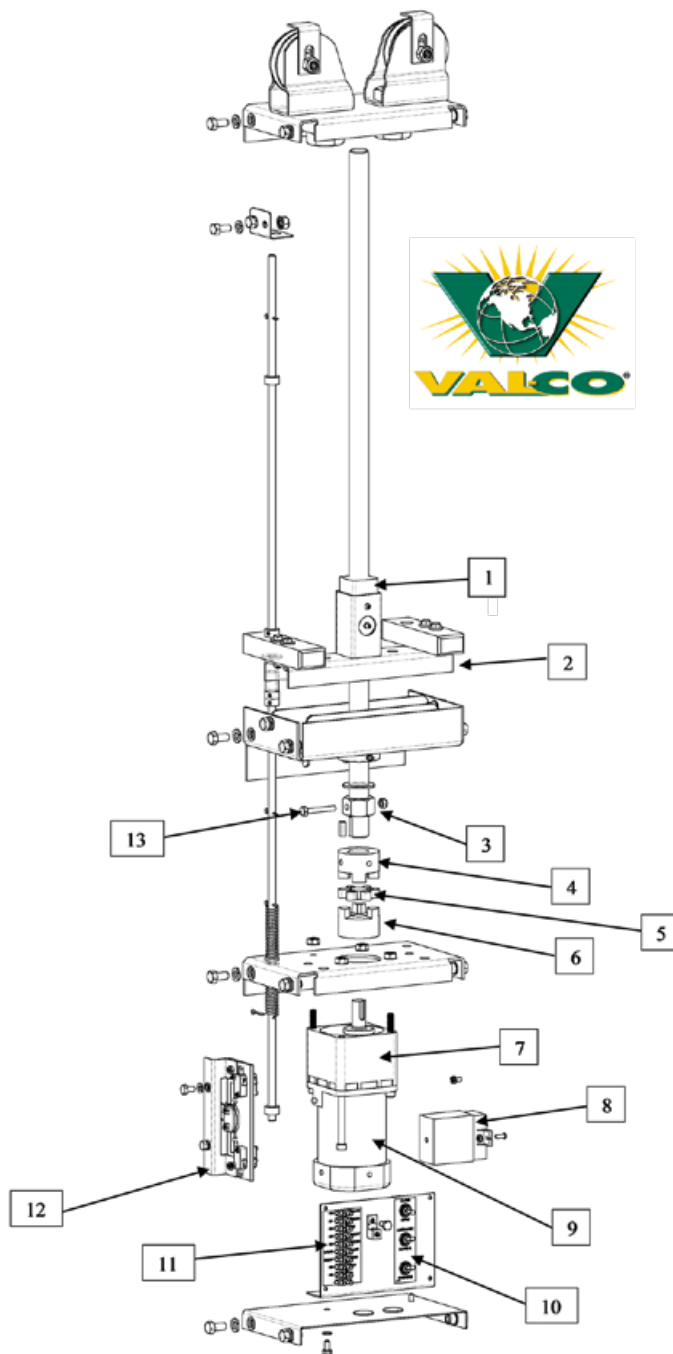


| ITEM NO. | DESCRIPTION | NUMBER IN DIAGRAM |
|---|---|---|
| INVSLB | Load Block | 1 |
| INVSLBA | Load Block Assembly | 2 |
| INVSSBCU | Shear Bolt Collar Update Kit | 3 |
| SHCJ951 | 1" x 095 Jaw Coupling | 4 |
| INVSLJ95SP | L095 Spider – Black | 5 |
| SHCJ9534 | ¾" x 095 Jaw Coupling | 6 |
| INVSMGB30N | 30RPM Gearbox | 7 |
| INVSMC110N | Capacitor f/ 110V Motor | 8 |
| INVSMC220 | Capacitor f/ 220V Motor | 8 |
| INVSM110N | 110V Motor | 9 |
| INVSM220N | 220V Motor | 9 |
| INVSCS | Circuit Switch Assembly | 10 |
| INVSTBUK | Terminal Board Update Kit | 11 |
| INVSLSAN | New Nylon Limit Switch Assembly | 12 |
| ¼X2BG8 | ¼" x 2" Grade 8 Bolt | 13 |
| INVSAS36 | 36" ACME Screw | * |
| INVSAS48 | 48" ACME Screw | * |

*Not on diagram*

## Old Replacement Parts for SafeTrac Winch



*Motor*          *Gearbox*

| ITEM NO. | DESCRIPTION |
|---|---|
| INVSM110 | 110V Motor |
| INVSM220 | 220V Motor |
| INVSMGB30 | 30RPM Gearbox f/ SafeTrac Winch |

## Aerotech Inlet Winch Parts

Munters — Your Perfect Climate

INABAC1934

INABNAC1965

INALSCB

| ITEM NO. | DESCRIPTION |
| --- | --- |
| INABAC1934 | Brake f/ Aerotech Inlet Winch |
| INALSCB | Limit Switch Circuit Board |

## Hired Hand PowerTrak Winch Parts

HIRED-HAND

INWHPM30

INWHPLSA9
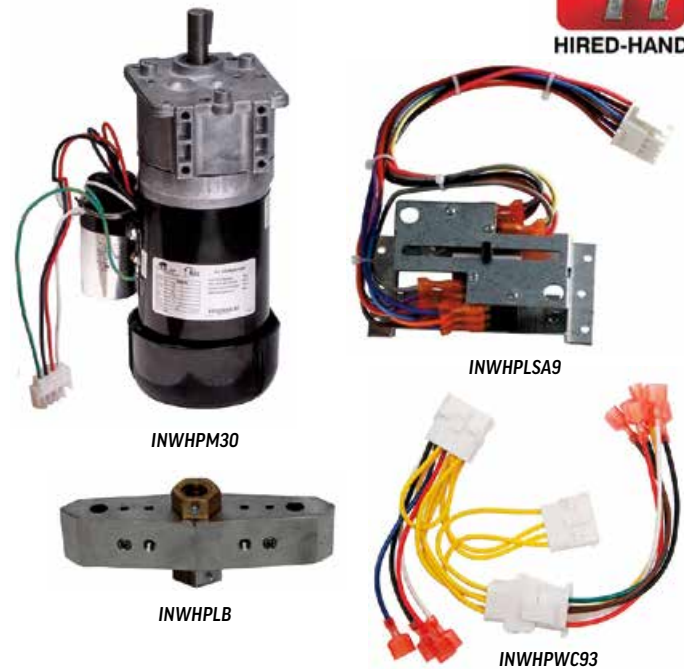
INWHPLB

INWHPWC93

| ITEM NO. | DESCRIPTION |
| --- | --- |
| INWHPM30 | Motor 30 RPM |
| INWHPLSA9 | Limit Switch Assembly (9-Wire) |
| INWHPLB | Load Block |
| INWHPLBON | Nylon Load Block Only |
| INWHPWC93 | 9-3 Wire Conversion Kit |

## Agri Vent Winch Parts

Agri Ventilation Systems, INC.

INAVCMB

INAVBR

MTAVI23

INWAVMBN

MTAVI40, MTAVI107

INWAVSMBNA18, INWAVSMBNA48

| ITEM NO. | DESCRIPTION |
| --- | --- |
| INAVCMB | Curtain Machine Brake |
| INAVBR | Bridge Rectifire |
| INWAVMBN | Mini Ball Screw Nut Only |
| MTAVI23 | 23 RPM Inlet Motor |
| MTAVI40 | 40 RPM Inlet Motor 220V |
| MTAVI107 | 107 RPM Inlet Motor |

| ITEM NO. | DESCRIPTION |
| --- | --- |
| INWAVID3 | 3' Inside Drive |
| INWAVID4 | 4' Inside Drive |
| INWAVSMBNA18 | 18" Mini Ball Screw Shaft & Nut Assembly |
| INWAVSMBNA48 | 48" Mini Ball Screw Shaft & Nut Assembly |

# Winching & Hardware

## Winches

*Heavy-Duty 2 Speed*

CBW600

CBW14

CBW32H2S

| ITEM NO. | DESCRIPTION |
|---|---|
| CBW600 | 600 lb. Hand Winch |
| CBW14 | 1400 lb. Hand Winch |
| CBW32H2S | 3200 lb. Hand Winch |

### 2000 lb. Worm Gear Winch

**FEATURES**

- 2000 lb. capacity
- Self-braking
- 41:1 gear ratio
- Loop drive
- Drum dimensions: 4¾" OD & 1¾" ID
- ⅛" cable capacity: 134' (67' per side)
- Oven-cured epoxy coating lasts longer than conventional zinc, chrome, or enamel finish
- Shafts and gears are made of high tensile alloy steel
- All gears are heat-treated, high-carbon steel to provide longer life

CBW20W

### 2000 lb. Ratchet Style Winch

**FEATURES**

- Ratchet style ceiling winch with split drum design
- 2000 lb. capacity (rated on the 1st layer of the drum)
- 22.8 : 1 ratio
- Alternative to 2000 lb. worm gear winch

CBW20R

### 5000 lb. Winch

**FEATURES**

- 5000 lb. capacity
- 2500 lb. working load (1250 lbs. pulling in opposite directions)
- 90:1 ratio
- 2" diameter divided reel
- Holds approximately 64' of ³⁄₁₆" cable
- Reel is pre-drilled and tapped to accept strap kit
- Can replace 2 conventional winches
- Oven-cured epoxy coating lasts longer than conventional zinc, chrome, or enamel finish
- Shafts and gears are made of high tensile alloy steel
- All gears are heat-treated, high-carbon steel to provide longer life
- Recommended 2:1 double-back for loads exceeding 2500 lbs.

CBW5000

### Electric 5000 lb. Feeder Winch

**FEATURES**

- 5000 lb. capacity
- 2500 lb. working load (1250 lbs. pulling in opposite directions)
- 90:1 ratio
- 2" diameter divided reel
- Holds approximately 64' of ³⁄₁₆" cable
- Reel is pre-drilled and tapped to accept strap kit
- Can Replace 2 Conventional Winches
- Oven-cured epoxy coating lasts longer than conventional zinc, chrome, or enamel finish
- Shafts and gears are made of high tensile alloy steel
- All gears are heat-treated, high-carbon steel to provide longer life
- Recommended 2:1 double-back for loads exceeding 2500 lbs.

CBW5000E

| ITEM NO. | DESCRIPTION |
|---|---|
| CBW20W | 2000 lb. Worm Gear Winch |
| CBW20R | 2000 lb. Ratchet Style Winch |
| CBW5000 | 5000 lb. Winch |
| CBW5000E | Electric 5000 lb. Feeder Winch |

## Winch Parts

CBWHC
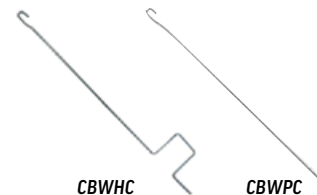
CBWPC

CBW5000RL

CBWB

| ITEM NO. | DESCRIPTION |
|---|---|
| CBW5000RL | Replacement Loop f/ 5000 lb. Winch |
| CBW5000RS | SS Ratchet Spring f/ 5000 lb. Winch |
| CBWB | Winch Bracket |
| CBWHC | 5' Hand Crank for Winch |
| CBWHC8 | 8' Hand Crank for Winch |
| CBWPC | 5' Power Crank for Winch |
| CBWPC8 | 8' Power Crank for Winch |

## Strap Kits



**2000 lb. Strap Kit**
Rated for 2000 lbs. –
Includes 1 strap and 1 bolt

**5000 lb. Strap Kit**
Rated for 5000 lbs.
Includes 2 straps and 2 bolts



**Winch Clevises**

### ⅛ Auto Lock Winch Rod Clevis
- For use with ⅛" suspension rod
- No need to crimp, just insert rod and the dead end automatically locks.

### ³⁄₁₆ Auto Lock Winch Rod Clevis
- For use with ³⁄₁₆" suspension rod.
- No need to crimp, just insert rod and the dead end automatically locks

| ITEM NO. | DESCRIPTION |
|---|---|
| CBW2000SK | Strap Kit for 2000 lb. Winch |
| CBW5000SK | Strap Kit for 5000 lb. Winch |
| CBW2000SKB | Bolt for 2000 lb. Strap Kit |
| CBW5000SKB | Bolt for 5000 lb. Strap Kit |
| CBWRCAL18 | ⅛ Auto Lock Winch Rod Clevis |
| CBWRCAL316 | ³⁄₁₆ Auto Lock Winch Rod Clevis |

## Winch Slings



- Excellent alternative to cable and strap kits on ceiling winches.
- No rusting or strap alignment issues to worry about.
- 100% HMPE Fiber
- Custom length sling assemblies available



**RPS250**      **RPS187**

| ITEM NO. | DESCRIPTION |
|---|---|
| RPS187 | ³⁄₁₆" Synthetic Sling Rope (Blue) |
| RPS250 | ¼" Synthetic Sling Rope (Orange) |

*Cable sold by the foot. 500' rolls available.*

## Galvanized Cable



| ITEM NO. | DESCRIPTION |
|---|---|
| CB116 | ¹⁄₁₆" Galv Cable |
| CB18G | ⅛" Galv Cable |
| CB316G | ³⁄₁₆" Galv Cable |
| CB14G | ¼" Galv Cable |
| CB516G | ⁵⁄₁₆" Galv Cable |

*Cable sold by the foot. Full rolls available.*

## Stainless Steel Cable

| ITEM NO. | DESCRIPTION |
|---|---|
| CB116S | ¹⁄₁₆" SS Cable |
| CB18S | ⅛" SS Cable |
| CB316S | ³⁄₁₆" SS Cable |
| CB14S | ¼" SS Cable |
| CB516S | ⁵⁄₁₆" SS Cable |

*Cable sold by the foot. Full rolls available.*

## Carbon Steel Drinker Rod

### FEATURES

- Made from ⅛" spring wire
- Use to replace conventional main cable on drinker lines
- Will not stretch like cable and high tensile wire

| ITEM NO. | DESCRIPTION |
|---|---|
| INRCS39018 | 390' Carbon Steel Drinker Rod |
| INRCS49018 | 490' Carbon Steel Drinker Rod |
| INRCS59018 | 590' Carbon Steel Drinker Rod |

## Carbon Steel Inlet Rod

### FEATURES

- Made from ³⁄₁₆" spring wire
- Will not stretch like cable and smaller high tensile wire



| ITEM NO. | DESCRIPTION |
|---|---|
| INRCS390 | 390' Carbon Steel Inlet Rod |
| INRCS490 | 490' Carbon Steel Inlet Rod |
| INRCS590 | 590' Carbon Steel Inlet Rod |

## Rope



*Nylon Rope*

- Hollow braid construction
- 100% polypropylene
- UV-treated for long life

*RPS14*

- Made with 100% polyester
- Less stretch than cheaper nylon cord
- Best for winching curtains, drinkers & air inlets



*OG6961866*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RPN18 | ⅛" Nylon Rope 1000' Roll |
| RPN532 | ⁵⁄₃₂" Nylon Rope 1000' Roll |
| RPN316 | ³⁄₁₆" Nylon Rope 1000' Roll |
| RPN732 | ⁷⁄₃₂ Nylon Rope 1000' Roll |
| RPS14 | ¼" Black Ski Rope 1000' Roll |
| OG6961866 | Poly Line 705' Roll |

## Galvanized Cable Clamps

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CBC116G | ¹⁄₁₆" Cable Clamp |
| CBC18G | ⅛" Cable Clamp |
| CBC316G | ³⁄₁₆" Cable Clamp |
| CBC14 | ¼" Cable Clamp |
| CBC516G | ⁵⁄₁₆" Cable Clamp |

## Stainless Steel Cable Clamps

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CBC18S | ⅛" SS Cable Clamp |
| CBC316S | ³⁄₁₆" SS Cable Clamp |
| CBC14S | ¼" SS Cable Clamp |
| CBC516S | ⁵⁄₁₆" SS Cable Clamp |

## Cable Crimps & Stops

*Cable Stop*     *Cable Crimp*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CBCS116 | ¹⁄₁₆" Cable Crimp Sleeve |
| CBCS18 | ⅛" Cable Crimp Sleeve |
| CBCS316 | ³⁄₁₆" Cable Crimp Sleeve |
| CBS18 | ⅛" Cable Stop |

## S-Hooks

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRSH10 | 1" S-Hook |
| HRSH114 | 1¼" S-Hook |
| HRSH214 | 2¼" S-Hook |

## Eye Bolts

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| EB142 | ¼" x 2" Eye Bolt |
| EB14212 | ¼" x 2½" Eye Bolt |
| EB143 | ¼" x 3" Eye Bolt |
| EB38212 | ⅜" x 2½" Eye Bolt |

*EB142, EB14212, EB143*     *EB38212*

## Ceramic Screw Hooks

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRSH516C | ⁵⁄₁₆" x 3.5" Ceramic Screw Hook |

## Galvanized Screw Hooks

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRSH516 | ⁵⁄₁₆ x 3.5" Screw Hook |
| HRSH5165 | ⁵⁄₁₆ x 5" Screw Hook |
| HRSHD | 6" Screw Hook Driver |

*Screw Hook Driver*

## Stainless Steel Screw Hooks

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRSH14S | ¼" x 3.5" Screw Hook (SS) |
| HRSH516S | ⁵⁄₁₆ x 3.5" Screw Hooks (SS) |

*Screw Hooks*

## Sprockets & Roller Chain

*CBHCS*     *CBWACC*

*SP40RLFT*     *SP40CL*     *INCCQL*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CBHCS | Horizontal Corner Sprocket |
| CBWACC | Chain to Cable Adaptor |
| SP40RLFT | 40 Roller Chain |
| SP40CL | 40 Connector Link |
| INCCQL | Quick Link for Inlet Corner Chain |

## Pulleys

### ⅞" Nylon Pulley

FEATURES

- ⅞" nylon sheave
- Galvanized steel housing
- For winching drinkers & air inlets

*⅞" Nylon Pulley*

### 2" Nylon Pulley

For winching feed lines and curtain

*2" Nylon Pulley*

*⅞" SS Pulley*

*1⅜" Nylon Pulley w. SS Strap*

*1½" Galvanized Pulley*

### 3½" Plastic Pulley

FEATURES

- 3¼" fiberglass reinforced nylon sheave
- Heavy-duty zinc plated straps and bolts
- Composite wheels will not corrode
- Self-lubricating
- Deep groove
- Use with cable up to ¼"
- Maximum load limit: 300 lbs.
- A true load-bearing pulley
- Our best pulley for winching heavy breeder nests

*3½" Plastic Pulley*

*2" Nylon Swivel Pulley*

*2½" Plastic Pulley*

*3½" Cast Pulley*

### 3½" Cast Pulley w/ Needle Bearing

FEATURES

- 3½" cast iron sheave
- Heavy-duty zinc plated straps and bolts
- Grease zerk for easy lubrication
- Deep groove
- Use with cable up to ¼"
- Maximum load limit: 700 lbs.
- Use with curtain machines and as master pulleys on feed and water lines

*½" Cast Pulley w/ Needle Bearing*

*3½" Horizontal Pulley*

*3½" Corner Pulley*

### 4½" Cast Pulley w/ Needle Bearing

FEATURES

- 4½" cast iron sheave
- Heavy-duty zinc plated straps and bolts
- Grease zerk for easy lubrication
- Deep groove
- Use with cable up to ¼"
- Use with curtain machines and as master pulleys on feed and water lines

*4½" Cast Pulley w/ Needle Bearing*

| ITEM NO. | DESCRIPTION |
|---|---|
| CBP07N | ⅞" Nylon Pulley |
| CBP07S | ⅞" SS Pulley |
| CBP15NS | 1⅜" Nylon Pulley w/ SS Strap |
| CBP15HD | 1½" Heavy Duty Pulley |
| CBP15G | 1½" Galvanized Pulley |
| CBP2SS | 1⅞" Nylon Pulley w/ SS Strap |
| CBP2N | 2" Nylon Pulley |
| CBP2NS | 2" Nylon Swivel Pulley |
| CBP212P | 2½" Plastic Pulley |
| CBP35N | 3½" Plastic Pulley |
| CBP35CI | 3½" Cast Pulley |
| CBPH | 3½" Horizontal Pulley |
| CBPC | 3½" Corner Pulley |
| CBP35CNB | 3½" Cast Pulley w/ Needle Bearing |
| CBP45CNB | 4½" Cast Pulley w/ Needle Bearing |

## Thumb Clamps



| ITEM NO. | DESCRIPTION |
|---|---|
| CBPTC | Plastic Thumb Clamp (Black) |
| CBPTC316 | Plastic Thumb Clamp (Red) |

## Rope & Cable Adjusters



*CBA*

*WTVRA-VR341*   *RPA316*

| ITEM NO. | DESCRIPTION |
|---|---|
| WTVRA-VR341 | Val-Co Rope Adjuster |
| RPA316 | $\frac{3}{16}$ Rope Adjuster |
| CBA | Cable Adjuster |

## Chain



*$\frac{3}{16}$" x 1" Chain*          *Twin Loop Chain*

| ITEM NO. | DESCRIPTION |
|---|---|
| HRCHTL20 | 2/0 Twin Loop Chain+ |
| HRCH3161 | $\frac{3}{16}$ x 1 Chain |
| HRCH3161S | $\frac{3}{16}$ x 1 SS Chain |

## Cable Thimbles



| ITEM NO. | DESCRIPTION |
|---|---|
| CBT18S | $\frac{1}{8}$" SS Cable Thimble |
| CBT316S | $\frac{3}{16}$" SS Cable Thimble |
| CBT316 | $\frac{3}{16}$" Cable Thimble |

## Cable Return Spring



| ITEM NO. | DESCRIPTION |
|---|---|
| CBRS110 | Cable Return Spring |

## Cable Counter Weight

Weight used for tunnel doors and sidewall inlets.



| ITEM NO. | DESCRIPTION |
|---|---|
| CBCW | Cable Counter Weight 27 lbs. |

## Cable Grip

Cable pulling grips can handle heavy-duty loads in a variety of industrial and commercial applications,

- Min. cable size: 8 B&S solid .125"
- Max. cable size: steel strand .5"
- Max. load capacity: 5,000 lbs.



| ITEM NO. | DESCRIPTION |
|---|---|
| CBCG516 | $\frac{5}{16}$ Cable Grip |

## Snap Clips

| ITEM NO. | DESCRIPTION |
|---|---|
| HRSC14 | ¼" Snap Clip |
| HRSC516 | ⁵⁄₁₆" Snap Clip |

## Snap Lock Pins

| ITEM NO. | DESCRIPTION |
|---|---|
| HRSLP14134 | Snap Lock Pin ¼ x 1¾ |
| HRSLP5164 | Snap Lock Pin ⁵⁄₁₆ x 4" |

## Turnbuckles

*HRTB144*

*HRTB386*
*HRTB129*

| ITEM NO. | DESCRIPTION |
|---|---|
| HRTB144 | ¼ x 4" Turnbuckle |
| HRTB386 | ⅜" x 6" Turnbuckle |
| HRTB129 | ½" x 9" Turnbuckle |

## Cable Ferrules

| ITEM NO. | DESCRIPTION |
|---|---|
| CBF | Cable Ferrule (Bag of 400) |

## Stacons

| ITEM NO. | DESCRIPTION |
|---|---|
| CBSC | Stacons |

## Cable Cutters & Crimpers

### Small Cable Cutter

### Cuts Clean Leaving No Frayed Ends

#### FEATURES

- Cutters are made from aircraft quality alloy steel
- Heat-treated
- Banana shaped handle for comfort & power Capacity of ³⁄₁₆" or smaller cable

*CBCT316*

### 3 Cavity Crimp/Swager Tool (Orange)

#### FEATURES

- Multi-cavity hand swager with cable cutter.
- Swages ⅛", ⁵⁄₃₂", and ³⁄₁₆" oval and stop sleeves.

*CBTCC3*

*CBCT38*

| ITEM NO. | DESCRIPTION |
|---|---|
| CBCT316 | Small Cable Cutter |
| CBCT38 | ⅜" Cable Cutter |
| CBTCC3 | 3 Cavity Crimp/ Swager Tool (Orange) |

# Hardware

## Deck Screws

*Stainless Steel*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRDS134 | 1¾" Deck Screw |
| HRDS158 | 1⅝" Deck Screw |
| HRDS212 | 2½" Deck Screw |
| HRDS3 | 3" Deck Screw |
| HRDSS3 | 3" SS Deck Screw |

## Roof Screws

*Galvanized*     *Stainless Steel*     *Painted*

### Galvanized

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RSG1 | 1" Galvanized Roof Screw |
| RSG1.5 | 1½" Galvanized Roof Screw |
| RSG2 | 2" Galvanized Roof Screw |
| RSG3 | 3" Galvanized Roof Screw |

### Stainless Steel

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRRS1SS | 1" SS Roof Screw |
| RSS1 | 1¼" SS Roof Screw |
| HRRS112S | 1½" SS Roof Screw |

### Painted

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RSP1 | 1" Painted Roof Screw |
| RSP2 | 2" Painted Roof Screw |
| RSP3 | 3" Painted Roof Screw |

## Lag Bolts

*Zinc*     *Stainless Steel*     *Ceramic*

### Zinc

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRL02112Z | ¼" x 1½" Zinc Lag |
| HRL022 | ¼" x 2" Zinc Lag |
| HRL02212Z | ¼" x 2½" Zinc Lag |
| HRL023Z | ¼" x 3" Zinc Lag |
| HRL024 | ¼" x 4" Zinc Lag |
| HRL516112Z | 5/16" x 1½" Zinc Lag |
| HRL516212Z | 5/16" x 2½ Zinc Lag |
| HRL5162Z | 5/16" x 2" Zinc Lag |
| HRL51630 | 5/16" x 3" Zinc Lag |
| HRL516312 | 5/16" x 3½" Zinc Lag |
| HRL5164 | 5/16" x 4" Zinc Lag |
| HRL5165Z | 5/16 x 5" Zinc Lag |
| HRL5166Z | 5/16" x 6" Zinc Lag |
| HRL38112Z | ⅜" x 1½" Zinc Lag |
| HRL382Z | ⅜" x 2" Zinc Lag |
| HRL383Z | ⅜" x 3" Zinc Lag |
| HRL384Z | ⅜ x 4" Zinc Lag |
| HRL385Z | ⅜" x 5" Zinc Lag |
| HRL38X6Z | ⅜ x 6" Zinc Lag |

### Stainless Steel

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRL032S | 5/16" x 2" SS Lag |
| HRL0372S | ⅜" x 2" SS Lag |
| HRL0373S | ⅜" x 3" SS Lag |

### Ceramic

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRCCL3840 | ⅜ x 4" Ceramic Construction Lag |

## Socket Head Bolts

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| 5/16X1½SHB | 5/16" x 1½" Socket Head Bolt |
| 5/16X13/4SHB | 5/16" x 1¾" Socket Head Bolt |

## Hex Bolts

*Zinc*     *Stainless Steel*

### Zinc

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| 5/16X½B | 5/16" x ½" Bolt |
| 5/16X3/4B | 5/16" x ¾" Bolt |
| 5/16X1B | 5/16" x 1" Bolt |
| 5/16X1½B | 5/16" x 1½" Bolt |
| 5/16X2½B | 5/16" x 2½" Bolt |
| 5/16X3B | 5/16" x 3" Bolt |
| 5/16X3½B | 5/16" x 3½" Bolt |
| 5/16X4B | 5/16" x 4" Bolt |
| 3/8X½B | ⅜" x ½" Bolt |
| 3/8X1B | ⅜" x 1" Bolt |
| 3/8X1½B | ⅜" x 1½" Bolt |
| 3/8X2B | ⅜" x 2" Bolt |
| 3/8X2½B | ⅜" x 2½" Bolt |
| 3/8X3B | ⅜" x 3" Bolt |
| 3/8X3½B | ⅜" x 3½" Bolt |

### Stainless Steel

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRB0205S | ¼" x ½" SS Bolt |
| HRB021S | ¼" x 1" SS Bolt |
| HRB0215S | ¼" x 1½" SS Bolt |
| HRB022S | ¼" x 2" SS Bolt |
| HRB0225S | ¼" x 2½" SS Bolt |
| HRB023 | ¼" x 3" SS Bolt |
| HRB0235S | ¼" x 3½" SS Bolt |
| HRB024S | ¼" x 4" SS bolt |
| HRB0305S | 5/16" x ½" SS Bolt |
| 5/16X1BS | 5/16" x 1" SS Bolt |
| HRB0315S | 5/16" x 1½" SS Bolt |
| HRB032S | 5/16" x 2" SS Bolt |
| HRB0325S | 5/16" x 2½" SS Bolt |
| HRB033 | 5/16" x 3" SS Bolt |
| 5/16X312BS | 5/16" x 3½" SS Bolt |
| 5/16X4BS | 5/16" x 4" SS Bolt |
| HRB0371S | ⅜" x 1" SS Bolt |
| HRB03715S | ⅜" x 1½" SS Bolt |
| HRB0372S | ⅜" x 2" SS Bolt |
| HRB037250S | ⅜" x 2½" SS Bolt |
| HRB0373S | ⅜" x 3" SS Bolt |
| HRB037350S | ⅜" x 3½" SS Bolt |
| 3/8X4BS | ⅜" x 4" SS Bolt |
| HRB051S | ½" x 1" SS Bolt |
| HRB0515S | ½" x 1½" SS Bolt |
| HRB052S | ½" x 2" SS Bolt |
| HRB0525S | ½" x 2½" SS Bolt |
| HRB053S | ½ x 3" SS Bolt |
| HRB0535S | ½ x 3½" SS Bolt |
| ½X4BS | ½" x 4 SS Bolt |
| 5/8X3BS | ⅝" x 3" SS Bolt |

## Carriage Bolts
### Zinc

| ITEM NO. | DESCRIPTION |
|---|---|
| 5/16X1CB | $\frac{5}{16}$" x 1" Carriage Bolt |
| 5/16X112CB | $\frac{5}{16}$" x 1½" Carriage Bolt |
| 5/16X2CB | $\frac{5}{16}$" x 2" Carriage Bolt |
| 5/16X25CB | $\frac{5}{16}$" x 2½" Carriage Bolt |
| 5/16X3CB | $\frac{5}{16}$" x 3" Carriage Bolt |
| 5/16X4CB | $\frac{5}{16}$" x 4" Carriage Bolt |
| 3/8X1CB | ⅜" x 1" Carriage Bolt |
| 3/8X1½CB | ⅜" x 1½" Carriage Bolt |
| 3/8X2CB | ⅜" x 2" Carriage Bolt |
| 3/8X2½CB | ⅜" x 2½ Carriage Bolt |
| 3/8X3CB | ⅜" x 3" Carriage Bolt |
| 3/8X4CB | ⅜ x 4" Carriage Bolt |

## Eye Bolts

¼" Eye Bolt    EB38212

| ITEM NO. | DESCRIPTION |
|---|---|
| EB142 | ¼" x 2" Eye Bolt |
| EB14212 | ¼" x 2½" Eye Bolt |
| EB143 | ¼" x 3" Eye Bolt |
| EB38212 | ⅜" x 2½" Eye Bolt |

## J Bolts

| ITEM NO. | DESCRIPTION |
|---|---|
| HGHJ032 | $\frac{5}{16}$" x 2" J-Bolt |
| HGHJ03375 | ⅜" x 3¾" SS J-Bolt |
| HGHJ036 | ⅜" x 6" SS J-Bolt |

## Washers
### Flat Washers

Zinc    Stainless Steel

### Zinc

| ITEM NO. | DESCRIPTION |
|---|---|
| HRFW316 | ³⁄₁₆" Flat Washer |
| HRFW14 | ¼" Flat Washer |
| HRFW516 | $\frac{5}{16}$" Flat Washer |
| HRFW38 | ⅜" Flat Washer |
| HRFW716 | $\frac{7}{16}$" Flat Washer |
| HRFW12 | ½" Flat Washer |
| HRFW916 | $\frac{9}{16}$" Flat Washer |
| 3/4FW | ¾" Flat Washer |

### Stainless Steel

| ITEM NO. | DESCRIPTION |
|---|---|
| HRW02S | ¼ SS Flat Washer |
| HRW03S | $\frac{5}{16}$" SS Flat Washer |
| HRW037S | ⅜" SS Flat Washer |
| HRW05S | ½" SS Flat Washer |

### Fender Washers

| ITEM NO. | DESCRIPTION |
|---|---|
| ¼FNW | ¼" Fender Washer |
| 5/16FNW | $\frac{5}{16}$" Fender Washer |
| 3/8FNW | ⅜" Fender Washer |
| ½FFW | ½" Fender Washer |

### Lock Washers Zinc

| ITEM NO. | DESCRIPTION |
|---|---|
| LW14 | ¼" Lock Washer |
| LW516 | $\frac{5}{16}$ Lock Washer |
| LW38 | ⅜" Lock Washer |
| LW716 | $\frac{7}{16}$" Lock Washer |
| LW12 | ½" Lock Washer |
| LW916 | $\frac{9}{16}$" Lock Washer |

## Nuts
### Hex Nuts

Zinc    Stainless Steel

### Zinc

| ITEM NO. | DESCRIPTION |
|---|---|
| HRN02Z | ¼" Zinc Nut |
| HRN03Z | $\frac{5}{16}$" Zinc Nut |
| HRN38Z | ⅜" Zinc Nut |
| HRN716Z | $\frac{7}{16}$" Zinc Nut |
| HRN12Z | ½" Zinc Nut |
| HRN916Z | $\frac{9}{16}$" Zinc Nut |

### Stainless Steel

| ITEM NO. | DESCRIPTION |
|---|---|
| HRN02S | ¼" SS Nut |
| HRN03S | $\frac{5}{16}$" SS Nut |
| HRN037S | ⅜" SS Nut |
| HRN12S | ½" SS Nut |

### Lock Nuts

Zinc    Stainless Steel

### Zinc

| ITEM NO. | DESCRIPTION |
|---|---|
| HRLN14Z | ¼" Lock Nut |
| HRLN516Z | $\frac{5}{16}$" Lock Nut |
| HRLN037Z | ⅜" Lock Nut |
| HRLN716Z | $\frac{7}{16}$" Lock Nut |
| HRLN12Z | ½" Lock Nut |
| HRLN916Z | $\frac{9}{16}$" Lock Nut |

### Stainless Steel

| ITEM NO. | DESCRIPTION |
|---|---|
| HRLN02S | ¼" SS Lock Nut |
| HRLN03S | $\frac{5}{16}$" SS Lock Nut |
| HRLN037S | ⅜" SS Lock Nut |
| HRLN05S | ½" SS Lock Nut |
| HRLN58S | ⅝" SS Lock Nut |

### Kepts Nuts

| ITEM NO. | DESCRIPTION |
|---|---|
| HRN02K | ¼" Kepts Nut |
| HRN03K | $\frac{5}{16}$ Kepts Nut |

## Tapcons

| ITEM NO. | DESCRIPTION |
|---|---|
| HRTC14114 | ¼" x 1¼" Tapcon |
| HRTC14134 | ¼" x 1¾" Tapcon |
| HRTC14214 | ¼" x 2¼" Tapcon |
| HRTC14234 | ¼" x 2¾" Tapcon |
| HRTC14314 | ¼" x 3¼" Tapcon |

## Self Drilling Screws

*Zinc*

| ITEM NO. | DESCRIPTION |
|---|---|
| HRTS612Z | #6 x ½" Zinc Tek Screw |
| HRTS834Z | #8 x ¾" Zinc Tek Screw |
| HRTS1007 | 10 x ¾" Zinc Tek Screw |

*Stainless Steel*

| ITEM NO. | DESCRIPTION |
|---|---|
| HRTS1015S | 10 x 1½" SS Tek Screw |

## Cane Bolt

| ITEM NO. | DESCRIPTION |
|---|---|
| HRCB12 | 12" Cane Bolt |

## Concrete Anchor Bolt

| ITEM NO. | DESCRIPTION |
|---|---|
| AB128 | 8" Concrete Anchor Bolt |

## Wedge Anchors

*Zinc*

| ITEM NO. | DESCRIPTION |
|---|---|
| HRWA054Z | ½" x 4¼" Wedge Anchor |
| HRWA057Z | ½" x 7" Wedge Anchor |

*Stainless Steel*

| ITEM NO. | DESCRIPTION |
|---|---|
| HRWA0327 | ⅜" x 2¾" SS Wedge Anchor |
| HRWA38334 | ⅜"X 3¾" SS Wedge Anchor |
| HRWA0375 | ⅜" x 5" SS Wedge Anchor |
| HRWA0527S | ½" x 2¾" SS Wedge Anchor |
| HRWA0537S | ½" x 3¾" SS Wedge Anchor |
| HRWA054S | ½" x 4¼" SS Wedge Anchor |

## Jaw & Eye Swivel

| ITEM NO. | DESCRIPTION |
|---|---|
| HRSEJ14 | ¼" Swivel Eye/Jaw |
| HRSEJ375 | ⅜" Swivel Eye/Jaw |

## J Nails

| ITEM NO. | DESCRIPTION |
|---|---|
| HRJN | J-Nail |

## Hook & Eye Latches

| ITEM NO. | DESCRIPTION |
|---|---|
| HRHE4 | 4" Hook & Eye Latch |
| HRHE6 | 6" Hook & Eye Latch |

## Barrel Latches

| ITEM NO. | DESCRIPTION |
|---|---|
| HRBL3 | 3" Barrel Latch |
| HRBL4 | 4" Barrel Latch |
| HRBL5H | 5" Barrel Latch (Heavy-Duty) |

## T Hinges

| ITEM NO. | DESCRIPTION |
|---|---|
| HRTH2G | 2" T Hinge |
| HRTH4G | 4" T Hinge |
| HRTH5P | 5" T Hinge |

## Butt Hinges

| ITEM NO. | DESCRIPTION |
|---|---|
| HRBH35 | 3" SS Butt Hinge |
| HRBH4 | 4" SS Butt Hinge |

## Snow Hooks

*Stainless Steel* | *Painted*

| ITEM NO. | DESCRIPTION |
|---|---|
| SNOWHOOKP | Painted Snow Hook |
| SNOWHOOKS | SS Snow Hook |

## Barn Door Latch

| ITEM NO. | DESCRIPTION |
|---|---|
| HRBDL | Barn Door Latch |

## Roll Door Parts

**BSRDAS**

**BSRDTHCB**
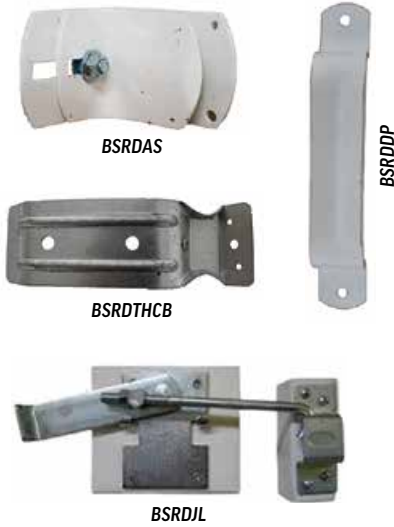
**BSRDDP**

**BSRDJL**

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BSRDAS | Adjustable Stop |
| BSRDDP | Pull Handle |
| BSRDJL | Jam Latch |
| BSRDTCC | Track Coupler (Cannon Ball) |
| BSRDTHCB | Hanger & Cover Bracket (Cannon Ball) |
| BSRDTSCB | Roll Door Trolley Set (Cannon Ball) |

## Hurricane Tie

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRHT | Hurricane Tie |

## Wire Ties

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HRWT04 | 4" Wire Tie |
| HRWT55 | 6" Wire Tie |
| HRWT7 | 8" Wire Tie |
| HRWT11 | 11" Wire Tie |
| HRWT14 | 14" Wire Tie |
| HRWT14H | 14" Heavy Wire Tie |
| HRWT24 | 24" Wire Tie |

## Geocell Caulk

*Get a 10% discount per tube when you buy a case of 12 tubes!*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| OG4599379 | Almond |
| OG6123830 | White |
| OG6123855 | Clear |

## Epoxy

Rezi-Weld Gel Paste State is a high viscosity, high modulus, rapid setting, structural, epoxy-based, chemical anchoring/bonding adhesive and injection gel.

- Anchors
- Bonds
- Seals

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CNAEAT | Concrete Anchor Epoxy Adhesive |

# Building Materials

## Doors   *All doors come without knobs.*

## Eagan – Entry Doors

**EAGAN**

### E-200 Series

*Door Shown with Optional Window Kit*

### E-200 SERIES DOOR CORE SPECS

- $1\frac{5}{8}$" capped edge polyurethane insulated door pane – R-11 insulation value
- Pre-hung
- Top and bottom vinyl v and bulb seal
- Door skins are pre-painted white and available in different steel and aluminum options

### DOOR SKINS

- .010 steel and .019 aluminum are available for 36" doors
- .014 steel and .019 aluminum are available for 48" doors
- .019 aluminum is available for 60" doors

### DOOR JAMB

- 2" aluminum jamb
- Jamb is available in mill or pre-painted white finish
- Stainless steel lubricated hinges
- $\frac{1}{2}$" v seal
- Adjustable strike plate

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| DWI3060E2 | 36 x 72 E200 White Insulated Door |
| DWI3068E2 | 36 x 80 E200 White Insulated Door |
| DW2024I | 20" x 24" Insulated Door Window |

## Eagan – Entry Doors

**EAGAN**

### *E300 Series*

#### E300 SERIES DOOR CORE SPECS

- 1⅝" capped edge polyurethane insulated door pane – R-11 insulation value
- Pre-hung
- Top and bottom vinyl v and bulb seal
- Door skins are pre-painted white and available in different steel and aluminum options

#### DOOR SKINS

- .010 steel and .019 aluminum are available for 36" doors
- .014 steel and .019 aluminum are available for 48" doors

#### DOOR JAMB

- 3½" aluminum jamb
- Jamb is available in mill or pre-painted white finish
- Stainless steel lubricated hinges
- ½" vinyl bulb
- Adjustable strike plate

| ITEM NO. | DESCRIPTION |
|---|---|
| DWI3060E | 36 x 72 E300 White Insulated Door |
| DWI3068E | 36 x 80" E300 White Insulated Door |
| DWI4068E | 48 x 80 E300 White Insulated Door |

### *Bird Doors*

| ITEM NO. | DESCRIPTION |
|---|---|
| DWI2222 | 22" x 22" Bird Door |
| DWI2243 | 22" x 43" Bird Door |

*DWI2222*

### *End Doors*

**EAGAN**

## Folding Doors with Sturdy Drive® Hoist System

These state-of-the-art folding doors are now even better with added features that launch it into a whole new level of performance. Best of all, these folding doors with the Sturdy Drive® Hoist System have many improvements with no cost increase to customers.

#### ADDED FEATURES

- Faster install
- More efficient operation
- Revolutionary door kicker system (patent pending) starts the opening process as soon as the door is unlatched
- Allows for easy access for operation in instances of close proximity to equipment (e.g., fans, cool cells, entrance doors, etc.)
- Fully integrated seal system eliminates seal installation
- Offers improved sealing performance
- Polyurethane foam injected door panels with an R-7 insulation value
- Skin on the inside of the door can be black to aid in room darkening
- Door comes complete with all necessary hardware
- Quality product that will last for years to come

#### SPECIFICATIONS

- EPDM rubber seal system
- 2.5 lb. density polyurethane foam-filled 1" thick insulated panels--R-7 insulation value
- .010 galvanized stucco embossed steel outer door skin
- .019 smooth aluminum or fiberglass inner door skin
- Snap on H-channel meeting rail
- Upper continuous hinge is made of ¼" wall aluminum extrusion
- ¼" stainless steel continuous hinge
- (6) 3" x 4" hinge tabs
- Center continuous hinge is ¼" stainless steel pin piano hinge
- Hinge is sealed with a ¾" x ½" foam seal
- (2) 3" x 1" nylon rollers with ½" stainless steel axles

| ITEM NO. | DESCRIPTION |
|---|---|
| DEE12W9H | 12W x 9H End Door |
| DEE12W10H | 12W x 10H End Door |
| DEE14W10H | 14W x 10H End Door |

## Parts for Eagan Doors

**EAGAN**

*DOOR WINDOWS FEATURE*

- 20" x 24" Mill frame with tempered glass
- Can be insulated or non-insulated
- Aluminum Frame

*DWIEDK*  *DWIEDP*

*DWDKSP*  *DWEMK*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| DW2024I | 20" x 24" Insulated Door Window |
| DWIEDK | Door Knob |
| DWIEDP | Plunger Latch |
| DWDKSP | Door Knob Striker Plate |
| DWEMK | Master Key |

## Entry Door

*FEATURES*

- Outswing.
- 36" x 80"
- Fiberglass
- 7¼" vinyl frame
- 9-light with grids inside glass.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| DBESO3068 | 36"x80" Entry Door |

## White Plyfoil

White/foil
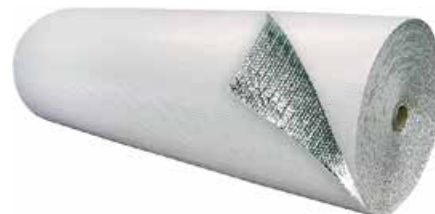
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PF4125 | 4' x 125' White Plyfoil |
| PF6125 | 6' x 125' White Plyfoil |

## Clear Plastic Sheeting

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| POLY4M8100 | 4 Mill Poly 8' x 100' |

## Sealers

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BSVS | Plate Sealant |
| CNSAW5 | Acrylic Concrete Sealer |

## Windows

### *Picture Windows*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WVTP2222NFJ | 22" x 22" Vinyl TP Window Nail Flange & J |
| WSH3648G | 36" x 48" Single Hung Window/Grids |
| WPW4339 | 43" x 39" Picture Window |
| WPW4624 | 46" x 23.75" Picture Window |

### *Galvanized Window Covers*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WCG24X28 | 24" x 28" – Used for door windows |
| WCG48X26 | 48" x 26" – Used for picture windows |

# Lumber

*Due to fluctuating lumber prices, all lumber will be sold at current market prices.*

## Pine Siding



| ITEM NO. | DESCRIPTION |
|---|---|
| 1X10-14PS | 1x10 – 14' – Rough on One Side |

## Pine Boards



| ITEM NO. | DESCRIPTION |
|---|---|
| 1X6-16PB | 1x6 – 16' Pine Board |

## Lath



*1x3- 12' Ferring Lath*



*1x4- 12' Treated Lath*

| ITEM NO. | DESCRIPTION |
|---|---|
| 1X3-12F | 1x3- 12' Ferring Lath |
| 1X4-12T | 1x4- 12' Treated Lath |

## Untreated Lumber



YP = Yellow Pine
SPF = Spruce Pine Fir

*Not all of these items will be kept in regular stock.*

| ITEM NO. | DESCRIPTION |
|---|---|
| 2X4-10YP | 2x4-10' YP |
| 2X4-10S | 2x4-10' SPF |
| 2X4-12Y | 2x4-12' YP |
| 2X4-14YP | 2x4-14' YP |
| 2X4-16S | 2x4-16' SPF |
| 2X6-8Y | 2x6-8' YP |
| 2X6-8S | 2x6-8' SPF |
| 2X6-7S | 2x6-7' SPF |
| 2X6-10YP | 2x6-10' YP |
| 2X6-10S | 2x6-10' SPF |
| 2X6-16YP | 2x6-16' YP |
| 2X6-16S | 2x6-16' SPF |
| 2X8-16YP | 2x8-16' YP |
| 2X10-16YP | 2x10-16' YP |
| 2X12-16Y | 2x12-16' YP |

## Pressure Treated



| ITEM NO. | DESCRIPTION |
|---|---|
| 2X4-8T | 2x4 – 8' |
| 2X4-10T | 2x4 – 10' |
| 2X4-12T | 2x4 – 12' |
| 2X4-16T | 2x4 – 16' |
| 2X6-14T | 2x6 – 14' |
| 2X6-16T | 2x6 – 16' |
| 2X8-16T | 2x8 – 16' |
| 2X10-16T | 2x10 – 16' |
| 2X12-16T | 2x12 – 16' |

## Plywood



| ITEM NO. | DESCRIPTION |
|---|---|
| 38CDXF | ⅜" CDX Fir Plywood |
| LMCDX12 | ½" CDX Plywood |
| ½CDXT | ½" CDX Treated Plywood |
| 3/4CDXS | ¾" CDX Plywood |
| 34CDXT | ¾" CDX Treated Plywood |

## OSB



| ITEM NO. | DESCRIPTION |
|---|---|
| 716OSB | ⁷⁄₁₆" OSB |
| 716OSBA | ⁷⁄₁₆" OSB (Advantech) |

## White Vinyl Board



| ITEM NO. | DESCRIPTION |
|---|---|
| 1x6-18V | 1x6 – 18' |

## Triply Strips
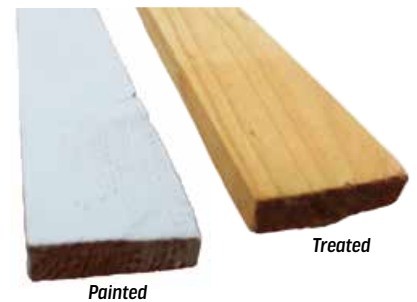


*Treated*

*Painted*

| ITEM NO. | DESCRIPTION |
|---|---|
| TPS12P | 12' Painted |
| TPS12T | 12' Treated |

# Now available at Zeiset:
# Simple and smart pig production equipment from Big Dutchman

## CallBack*pro*

A comprehensive, easy solution for **individual sow feeding**

- Combines Electronic Sow Feeding technology and free access stall environment
- Only ONE central controller is needed for ALL feeding stations – making management simple and protecting your equipment
- Easily fits into conventional barns as retrofit

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Continuous **visual weight monitoring** of finishers

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- Keep track of daily weight gain automatically – NO manual weighing!
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**Big Dutchman**
Innovation Breeds Success

# Wire & Panels

## Trusscore

Wherever you need a smooth finish that is easy to clean, low-maintenance, and abuse-resistant, TRUSSCORE PVC Sanitary Wall and Ceiling Panel has your project covered. Trusscore's unique tongue-and-groove interlocking system makes both vertical and horizontal installation quick and easy.

### KEY ADVANTAGES

- Bright clean appearance
- Virtually maintenance free – Just wipe it clean
- Meets CFIA and FDA requirements for walls and ceilings
- Comes in standard and custom lengths
- Corrosion-resistant
- Economical, excellent investment
- Hidden fasteners
- High strength to weight ratio
- Highly resistant to moisture and most chemicals
- Ideal replacement for conventional wall systems
- Inner truss design for rigidity and strength
- Lightweight, fast easy installation
- Potential insurance savings
- Supports attic insulation loads
- Pre-punched nailing flange
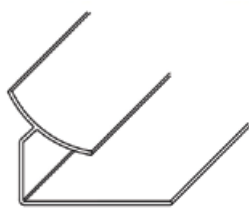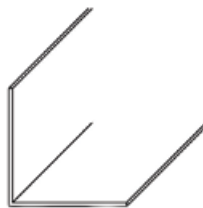
*Inside PVC Corner*    *Outside PVC Corner*    *PVC J-Channel*
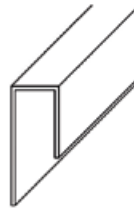
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| TCP10 | 10' PVC Trusscore |
| TCPCI | 10' Trusscore Inside PVC Corner |
| TCPCO | 10' Trusscore Outside PVC Corner |
| TCPJ | 10' Trusscore PVC J-Channel |

## Glassboard

*Inside Corner Strip 10' Large*

*Outside Corner Strip 10' Large*

*10' Joint Strip*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| GB4X102 | 4x10 B Grade |
| GBICS10 | Inside Corner Strip 10' Large |
| GBOC10L | Outside Corner Strip 10' Large |
| GBJS8 | 10' Joint Strip |
| GBG5 | Glue (5 Gal.) |

## Creep Panels

Designed for use in farrowing crates, PVC creep panels have many structural and performance benefits. Besides being more economical, PVC panels are easy to install, light, strong, versatile, durable, and easy to clean. Warmer than metal, these dividers are an ideal material for creep dividers. PVC divider panels are 20" high by $\frac{7}{8}$" thick and can be field cut to fit.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PL7821CP | $\frac{7}{8}$" x 20" x 21' Creep Panel |

## Plastic Coated Bird Wire

- 20 gauge wire
- 1" wire spacing
- Comes in 150' Rolls

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BDPC1 | 12" Bird Wire |
| BDPC2 | 2' Bird Wire |
| BDPC3 | 3' Bird Wire |
| BDPC4 | 4' Bird Wire |
| BDPC5 | 5' Bird Wire |
| BDPC6 | 6' Bird Wire |

## Galvanized Wire

Comes in 100' Rolls

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BDG1X218 | 18" 1x2 Galvanized Wire |
| BDG1X224 | 2' 1x2 Galvanized Wire |
| BDG1X236 | 3' 1x2 Galvanized Wire |
| BDG2X436 | 3' 2x4 Galvanized  Wire |
| BDG1X248 | 4' 1x2 Galvanized Wire |
| BDG2X448 | 4' 2x4 Galvanized Wire |
| BDG1X260 | 5' 1X2 Galvanized Wire |
| BDG1X272 | 6' 1x2 Galvanized Wire |

## Shade Cloth
### *Great for "do-it-yourself" applications.*

- Lightweight with high tensile strength.
- Can be cut without unraveling.
- Can be bordered with tape and grommets for extra durability.
- Highly resistant to UV degradation and temperature extremes.
- Effective odor barrier, as knitted panels capture the dust carrying particles that spread odor

### IDEAL FOR

- Livestock Housing
- Poultry Buildings
- Greenhouses
- All Hoop Style Structures
- Fencing
- Wind Barrier
- Odor Barrier
- Truck Covers
- Equine Housing
- & Kennels
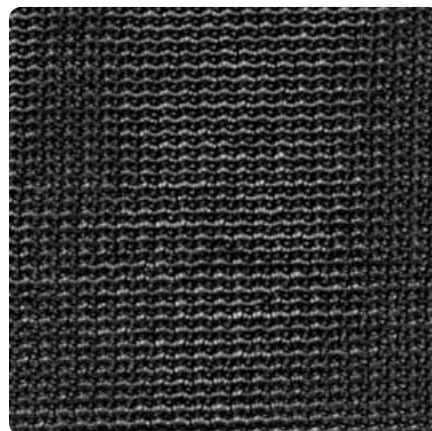
*Shade Cloth Clip*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| SHC8505 | 5' 8" 85% Shade Cloth |
| SHCC | Shade Cloth Clip |

## Triply Ceiling Material

Triply material is a woven poly material that is washable, flexible and attractive. It is poly-coated on both sides (white on one side & black on the other). Its durability makes it ideal for ceiling material and even sidewall material in your agricultural building.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| TPM4650 | 52" x 650' Roll |
| TPM8650 | 104" x 650' Roll |
| TPS9000B | Black Polyester Triply Strap – 9,000 ft. Roll |

## Hog Panel
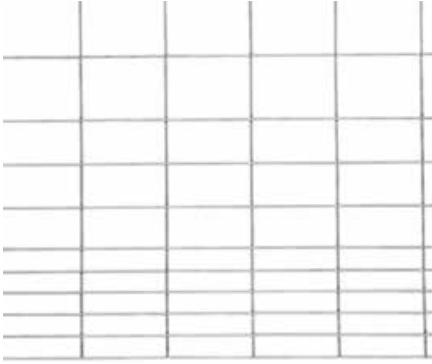


| ITEM NO. | DESCRIPTION |
|---|---|
| HGP | Hog Panel – 16' |

## Cattle Panel



| ITEM NO. | DESCRIPTION |
|---|---|
| FCPC5096 | Cattle Panel – 50" x 96" |

## Concrete Wire



| ITEM NO. | DESCRIPTION |
|---|---|
| CNW5106 | 5' x 10" (6 Gauge) |

## Rebar



| ITEM NO. | DESCRIPTION |
|---|---|
| RB12 | ½" x 20' Rebar – Grade |

## Rebar Twist Tie



| ITEM NO. | DESCRIPTION |
|---|---|
| CNTT6 | 6" Rebar Twist Tie |

# PREMIER NURSERY FLOOR

## Producer's Choice

- High visibility color allows for early detection of pigs off feed, scours, and for quick biosecurity assessment pre-placement

- High filtration rate and crowned tops to allow for efficient washing

- Extra strength and reinforcement, coupled with Permabeam creates strong flooring system

- Made in America with virgin materials

**HIGH / LOW SUPERIOR TRACTION BARS**

**24" X 24" DESIGN REDUCES COST & QUANTITY OF BEAM / FLOORING**

**7/16" OPENINGS FOR OPTIMAL MANURE FILTRATION**
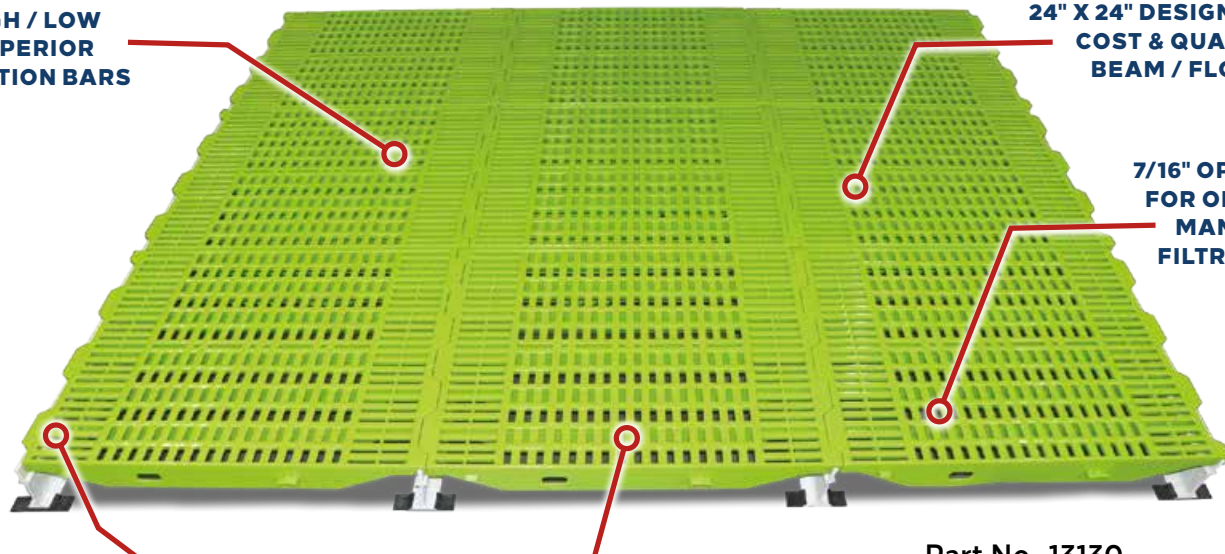
**PRIME GAP LOCATION FOR EFFICIENT BEAM SUPPORT CLEANING**

**REINFORCED DEEP CROSS RIBS ENHANCE STRENGTH**

Part No. 13130

**TIE DOWN BAR**
Designed to hold gating securely to floor without compromising beam strength
Part No. 12306

**5" PERMABEAM**
The strongest fiberglass beam on the market. High-quality engineered – rust and corrosion proof
Part No. 12305

## DOUBLE L GROUP LLC

www.doublel.com

# Hog Housing

## Feeder Bracket

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGFFB | Feeder Bracket |

## Wall Mount Feeder Bracket
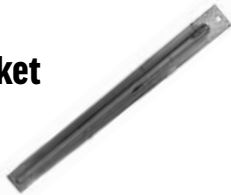
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGFFBW | Wall Mount Feeder Bracket |

## Feeder Pin

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGFFP | Feeder Pin |

## Gate Flapper

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGFGF | Gate Flapper |

## Finisher Leg

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGFLS10 | SS 10" Finisher Leg/Foot Strap |

## Fence Foot Repair Kit

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGFRBKS | SS Bolt-on Fence Foot Repair Kit (2-piece) |

## Bottom Repair Angle

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGFRWDLBS | SS Double Loop Bottom Repair Angle Weld-On |

## SS T-Bolts

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGHT032 | ⅜" x 2" SS T-Bolt |
| HGHT056 | ½" x 6" SS T-Bolt |

## Top Repair Angle

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HGFRWDLT | Double Loop Top Repair Angle Weld-on |

# Flooring

## Poultry Flooring

### Sani-Slat

*The Sani-Slat flooring system is manufactured of high quality 100% virgin plastic materials produced in the USA.*

They can be used to replace wood slats in both layer and breeder houses. They offer a longer life than other slats. Another important feature in the design is the layers/breeders have a comfortable footing due to the smoothed edges which means a reduction of foot problems and breast blisters.

#### ADDITIONAL INFO

- The overlapping tabs are designed for easy assembly for either wood or metal support systems. Due to the special design of this slat, it requires fewer screws to be used during assembly. This means you will save both on installation time and cost.
- The Sani-Slat should be stored out of direct sunlight, which can shorten the life of the product.
- Leave stretch wrap on pallets until you are ready to install them.
- Exposure to outside elements for extended periods of time may also cause damage to the product and void warranties.
- Exposure to extreme heat or cold will cause the plastic to expand and contract. Be sure to place in the building with a minimum temperature of 40 degree F (5 degree C) for 24 hours before installing. This temperature should be maintained during the installation.
- Please take care in transporting plastic slats. Do not expose the slats to excessive force such as impacts.
- Workers should take care to walk on the slats where there are wood or metal frame supports present.
- Replace any broken slats immediately.

### White

#### 2x4 Sani-Slat HDPE

The slat measures 2' x 4' and has large 1" square hole openings with a specially designed non-porous surface; this allows for easy manure passage which assists with the prevention of manure build-up and bacteria. This provides a more sanitary environment for the bird and slat eggs when compared with wooden slats.

#### 2x4 Sani-Slat PP

High strength polypropylene for use with steel support.

#### 2x5 Sani-Slat XL HDPE

- The Sani-Slat XL is larger (12 inches wider) than the original Sani-Slat, but only requires 16 screws per slat.
- It's faster, easier, and less expensive to install
- This new design allows better stacking for reduced shipping costs.
- Exceptional strength and rigidity
- Still just as great for hygiene!

### White

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PSSS2X4HW | 2x4 Sani-Slat HDPE |
| PSSS2X4PW | 2x4 Sani-Slat PP |
| PSSS2X5HW | 2x5 Sani-Slat XL HDPE |

### Black

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| PSSS2X4HBRV | 2x4 Sani-Slat HDPE Repro./Virgin |
| PSSS2X5HB | 2x5 Sani-Slat XL Black HDPE |

## Southwest

### *DURABILITY*

- Constructed from High Grade Polypropylene Material
- Reinforced Stress Points
- Superior Impact & Wear Resistance
- UV Protection

### *CLEANABILITY*

- Increased Airflow
- Better Waste Discharge
- Easier Cleaning
- Maintains Clean Environment

### *PERFORMANCE*

- Rot / Rust / Corrosion Proof
- Non-Porous / Moisture Resistant
- Lightweight / Rigid Designs
- No Rough Edges, Splinters
- Cost-Effective

### *Panel Slats*
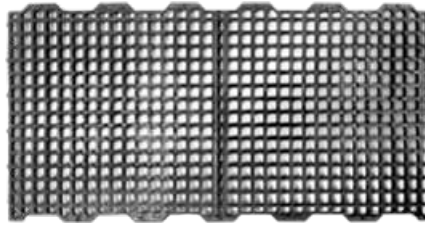


*PSSW24P*
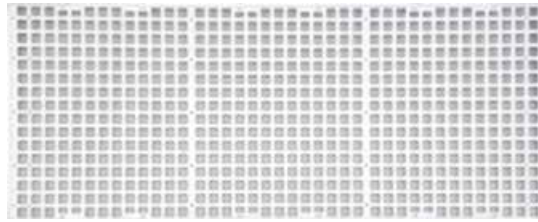


*PSSW25W*

| ITEM NO. | DESCRIPTION |
|---|---|
| PSSW24P | 2' x 4' Black Panel Slat |
| PSSW25W | 2' x 5' White Panel Slat |
| PSSW25 | 2' x 5' Black Panel Slat |

### *Kennel Slats*

Made of high-impact polypropylene plastic, providing superior impact and wear resistance. It will not rust, rot, or corrode. Its non-porous surface features square openings .875" x .875" or 1.1" x 1.1" , providing a clean, comfortable floor that keeps animals healthy and happy. The smooth surface reduces pad problems and inhibits the growth of bacteria. It is designed to withstand high-pressure washing and disinfectants. It can withstand up to 630 lbs. of pressure.



| ITEM NO. | DESCRIPTION |
|---|---|
| PSSW24K | 2' x 4' Kennel Slat |

## Swine Flooring

### *Concrete Hog Slats*

- Custom sizes available
- Quantity discounts available.



*Anchor Install Tool*

*Poly Slat Anchor*

*CNSP*

| ITEM NO. | DESCRIPTION |
|---|---|
| HGFLCS4X10 | 4' x 10' |
| HGHPSA | Poly Slat Anchor |
| HGHPSAT | Anchor Install Tool |
| CNSP | Concrete Slat Patch Cement (Hydraulic cement) |

## Duck Flooring

### *14 Gauge Plastic Coated Wire*

- Comes in 100' Rolls.
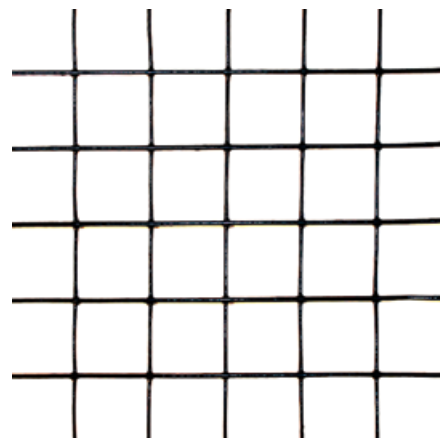


| ITEM NO. | DESCRIPTION |
|---|---|
| BD1X14814P | 4' 1x1 Plastic Coated Wire |
| BD1X17214P | 6' 1x1 Plastic Coated Wire |

# Scraping Systems Specific To Your Application

## Heavy Duty Direct Drives
### ( 2 Year Warranty)



## Sheave Drives
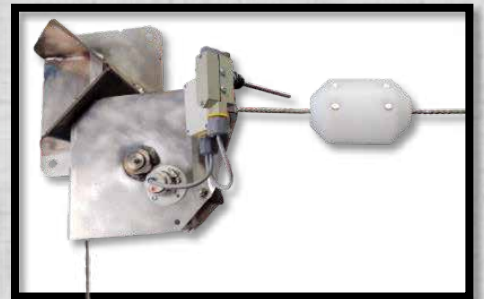




**Innovative
Limit Switch Design**

## Scrapers Designed For Your Project





**Quick and Easy
Cable Tensioner**
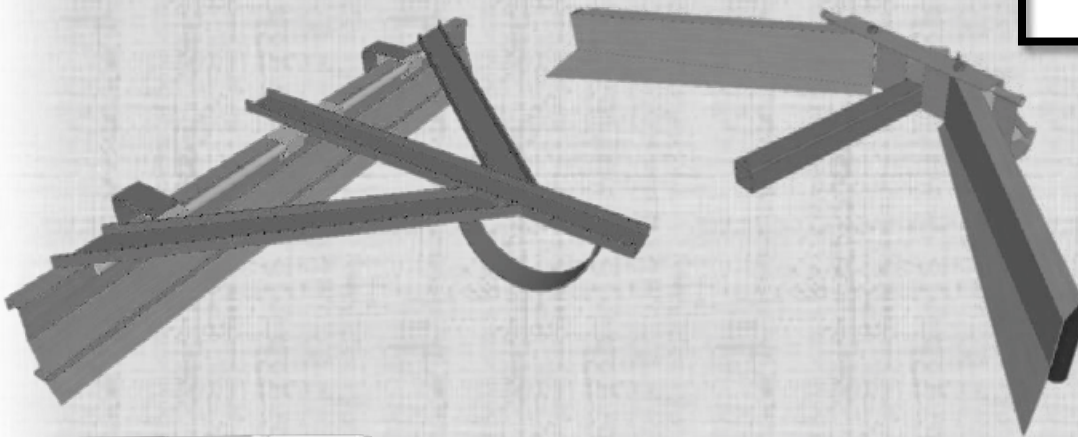


## Fully Automatic Drive Controls

➢ Load Sensing and Graphing
➢ Cable Speed Monitoring
➢ Gutter Cleaner Interlock
➢ Intuitive Touch Screen Interface



Custom Controls
Available

## AUTOMATED AG
### S O L U T I O N S
#### LLC

# Manure Handling

## Automated Ag Scraper System

*BENEFITS OF A SCRAPER SYSTEM FROM AUTOMATED AG*

- Excellent in-house air quality
- Better bird health
- Better fly and rodent control

- Easier litter access
- No need to raise equipment and remove floor slats
- Saves time and labor

### Scraper Drives

*AAS-SD5G2HP FEATURES*

- Inline cable drive setup
- Maintenance-free direct drive design
- 36 ft. per minute operating speed
- Easy to access grease points
- Built-in cable tension adjustment
- Wall mount kits available

*AAS-SD5G2HP*

*AAS-SDH493*

| ITEM NO. | DESCRIPTION |
| --- | --- |
| AAS-SD5G2HP | 5 Groove 2HP Scraper Drive |
| AAS-SDH493 | Small Nest Scraper Drive |

### Parts for 5 Groove Scraper Drive

*AAS-MNSD5GWSD*

*AAS-MNSD2TUA*

*AAS-MNSD5GGR*

*AAS-MNSD5GMW*

*AAS-BR24H*

| ITEM NO. | DESCRIPTION |
| --- | --- |
| AAS-MNSD5GWSD | 5 Groove Wheel w/ Drive Shaft Welded In |
| AAS-MNSD5GWSI | 5 Groove Wheel w/ Idler Shaft Welded In |
| AAS-MNSD2TUA | 2" Takeup Bearing Assembly |
| AAS-MNSD5GBSP | Side Panel (Back Side) |
| AAS-MNSD5GRSP | Side Panel (Reducer Side) |
| AAS-MNSD5GGR | Gear Reducer |
| AAS-BR24H | 2" Bearing 4-Hole Flange |
| AAS-MNSD5GMW | 2" x 3" Machine Washer f/ 5-Groove Scraper |

### Parts for Nest Scraper Drive

*AAS-SDH493G*          *AAS-SDH493S*

| ITEM NO. | DESCRIPTION |
| --- | --- |
| AAS-SDH493G | Gearbox |
| AAS-SDH493S | 8" Sheave |

### 8" Scraper Corner Wheel

*AAS-MN8CW*

- All stainless steel construction
- Cast iron pulley
- Greasable 1" shaft

*AAS-MN8CW*

*AAS-MN8CWCW*          *AAS-MN8CW1S*

*AAS-MN6CP* (not pictured)

- All stainless steel corner post
- 6" over all height and pulley mounts at 4"
- 12" x 12" floor mounting plate

| ITEM NO. | DESCRIPTION |
| --- | --- |
| AAS-MN8CW | 8" Scraper Corner Wheel (Complete Unit) |
| AAS-MN8CWCW | 8" Scraper Corner Wheel (Wheel Only) |
| AAS-MN8CW1S | 1" Greasable Shaft f/ Scraper Corner Wheel |
| AAS-MNCWWM | Corner Wheel Wall Mount Assembled |
| AAS-MN6CP | 6" SS Corner Post (Pulley Mounts @ 4") |
| AAS-MNWFPM4 | Wall/Floor Pulley Mount (Mounts @ 4") |

## 6" Nest Scraper Wheel



*AAS-MNTIW6V*

*MNNCW6HA*      *MNNCW6*

| ITEM NO. | DESCRIPTION |
|---|---|
| AAS-MNTIW6V | 6" Nylon Nest Corner Wheel Assembly |
| MNNCW6HA | 6" Horizontal Nylon Corner Wheel Assembly |
| MNNCW6 | 6" Nylon Scraper Corner Wheel (only) |
| *SW34*118S | ¾ x 1⅛ x.045 SS Shim Washer |
| 5/8X3BS | ⅝ x 3" SS Bolt |
| HRLN58S | ⅝" SS Lock Nut |
| CB1012-14 | Brass Bushing ⅝ ID x ¾ OD |

## Scraper Motors



| ITEM NO. | DESCRIPTION |
|---|---|
| MT2HP56C | 5 Groove Scraper Motor (2 HP) |

## Scraper Cable & Cable Clamp



*Cable*

*Cable Clamp*

| ITEM NO. | DESCRIPTION |
|---|---|
| CB516S | ⁵⁄₁₆ SS Cable (Price per foot. Price is 0.78 at 2,500 feet.) |
| CBC516S | ⁵⁄₁₆ SS Cable Clamp |

### Automated Ag Solutions LLC

## Manure Scraper Accessories



*SWPRPMA*

*SCPRI*      *SWSL*

*SCPS*

| ITEM NO. | DESCRIPTION |
|---|---|
| SWSL | Scraper Limit Switch |
| SWPRPMA | Prox Switch Mount Adaptor |
| SCPRI | Watchdog Scraper Proximity Sensor |
| SCPS | 24 VDC 35 Watt 1.5 Amp Power Supply |

---

# Zimmerman Scraper System

## 3 Groove



| ITEM NO. | DESCRIPTION |
|---|---|
| MNZ3GDW | Drive Wheel |

## 5 Groove

### AAS-MN8CW

- All stainless steel construction
- Cast iron pulley
- Greasable 1" shaft



*AAS-MN8CW*

*MNZ5GDS*

*MNZ5GIAB*      *MNZ5GIABF*



*AAS-MNSD5GW*

*AAS-MN8CWCW*

*AAS-MN8CW1S*

*MNZ5G16PB*

*MNZ5GIS*      *MNZ5GIW*

| ITEM NO. | DESCRIPTION |
|---|---|
| AAS-MNSD5GW | 5 Groove Drive Wheel |
| AAS-MN8CW | 8" Scraper Corner Wheel (Complete Unit) |
| AAS-MN8CWCW | 8" Scraper Corner Wheel (Wheel Only) |

| ITEM NO. | DESCRIPTION |
|---|---|
| AAS-MN8CW1S | 1" Greasable Shaft f/ Scraper Corner Wheel |
| MNZ5G16PB | 16" Belt Pulley |
| MNZ5GB2 | 2" Bearing |
| MNZ5GDS | Drive Shaft |
| MNZ5GDSP | Side Panel |

| ITEM NO. | DESCRIPTION |
|---|---|
| MNZ5GIAB | Idler Adjustment Bracket |
| MNZ5GIABF | Idler Adjustment Bracket FL Side |
| MNZ5GIS | Idler Shaft |
| MNZ5GIW | 5 Groove Idler Wheel |

## Big Dutchman Scraper Parts



*MNDIW*

*MNDIWY*

*MNTPSDG*

| ITEM NO. | DESCRIPTION |
|---|---|
| MNDIW | Idler Wheel |
| MNDIWC | Idler Wheel Cleaner |
| MNDIWY | Idler Wheel Yoke |
| MNTPSDG | Small Scraper Drive Gearbox |

## Rissler Conveyor

*Replacement Parts*

*MNRCDS10T*

*MNRCSSC5051*

| ITEM NO. | DESCRIPTION |
|---|---|
| MNRCCHD | Corner Hold Down |
| MNRCDS10T | 10T Drive Sprocket |
| MNRCDS18 | 18" Drive Shaft |
| MNRCPIW | Poly Idler Wheel |
| MNRCPIWB | Idler Wheel Shaft/Bracket |

*MNRCPIW*

*MNRCSC*

*MNRCDS18*

*MNRCPIWB*

| ITEM NO. | DESCRIPTION |
|---|---|
| MNRCSC | Slip Clutch |
| MNRCSSC4060 | 4060 Sprocket for Slip Clutch |
| MNRCSSC5051 | 5051 Sprocket for Slip Clutch |
| MCRC6218P | #62 x 18" Conveyor Chain Poly Slat |

## Manure Belt

| ITEM NO. | DESCRIPTION |
|---|---|
| MNB535 | 53½" Manure Belt (Sold by the foot) |

## Scraper Pit Exit Cover
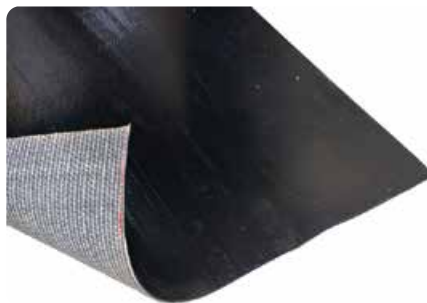
| ITEM NO. | DESCRIPTION |
|---|---|
| MNSPEC | Scraper Pit Exit Cover (Sold by the foot) |

## Poultry Litter Treatment

| ITEM NO. | DESCRIPTION |
|---|---|
| FHPLT | Poultry Litter Treatment |

# Incinerators

## Destructor



### FEATURES

- 1,000 lb. capacity
- Only requires 10' x 10' space
- LP or diesel
- One re-adjustable gas burner
- Thermocouple installation to conserve fuel
- 115 Volt
- Inside or outside Installation
- Only 2% ash remains
- Counter-balanced charge door with 4" 3000° refractory lining

### SPECS

- Height: 8' 4"
- Length: 6'
- Width: 4'
- Weight: 6,000 lbs.

| ITEM NO. | DESCRIPTION |
|---|---|
| NIIDSD | Destructor – Diesel |
| NIIDSP | Destructor – LP |
| NIGD1 | Grate for Destructor (1 piece) 30" x 8" (6 grates per unit) |

## Destructor JR



### FEATURES

- 100 lb. capacity
- Only requires 5' x 5' space
- LP or diesel
- One re-adjustable gas burner
- Inside or outside installation
- Charge door with 2 inch 3000° refractory lining

### SPECS

- Height: 7' 10"
- Length: 5' 8"
- Width: 3' 6"
- Weight: 3,200 lbs.

| ITEM NO. | DESCRIPTION |
|---|---|
| NIIDJD | Destructor JR – Diesel |
| NIIDJP | Destructor JR – LP |
| NIGJ1 | Grate for Destructor Jr. (1 piece) ½" x 2" 20" |

## TC275



### FEATURES

- 275 lb. capacity
- Only requires 10' x 10' space
- LP or Diesel
- One re-adjustable gas burner
- Thermocouple installation to conserve fuel
- 115 Volt
- Inside or outside Installation
- Only 2% ash remains
- Counter-balanced charge door with 3000° refractory lining

### SPECS

- Height: 8' 4"
- Length: 6'
- Width: 4'
- Weight: 6,000 lbs.

| ITEM NO. | DESCRIPTION |
|---|---|
| NIITCD | TC275 – Diesel |
| NIITCP | TC275 – LP |
| NIGT1 | Grate for TC275 Incinerator (1 piece) 28" x 8" (5 grates per unit) |

## Replacement Parts for Diesel Incinerators

*NIBDFN*

*NIBDCC30*

*NIBDIE*

*NIBDHC*

*NIBDMC*

*NIBDPW*

*NIBDM*

*NIBDS120*

*NIBDP*

*NIBDT*

| ITEM NO. | DESCRIPTION |
|---|---|
| NIBDCC30 | 30" Cad Cell |
| NIBDFN | Fuel Nozzle |
| NIBDGA | Gun Assembly |
| NIBDHC | Honeywell Control |
| NIBDIE | Ignitor Electrolode |
| NIBDM | Motor |
| NIBDMC | Coupling |
| NIBDP | Fuel Pump |
| NIBDPK | Probe Kit |
| NIBDPW | Probe Wire |
| NIBDS120 | Oil Solenoid Valve |
| NIBDT | Transformer |
| NIBDTDA | Burner Assembly |

## Replacement Parts for LP Incinerators

*NIBPBT*

*NIBPBW*

*NIBPFG*

*NIBPGV*

*NIBPHC*

*NIBPIA*

*NIBPM*

*NIBPIE*

*NIBPTS*

| ITEM NO. | DESCRIPTION |
|---|---|
| NIBPBT | Blast Tube |
| NIBPBW | Blower Wheel |
| NIBPFG | Flange Gasket |
| NIBPGBK | Ground Barrier Kit |
| NIBPGV | Gas Valve |
| NIBPHC | Honeywell Control |
| NIBPIA | Ignitor Assembly |
| NIBPIE | Ignitor Electrolode |
| NIBPM | Motor |
| NIBPT | Transformer |
| NIBPTDA | Burner Assembly |
| NIBPTS | Thermal Switch |

## Interchangeable Replacement Parts

*NIBTDT6*

*NIBTDCC*

| ITEM NO. | DESCRIPTION |
|---|---|
| NIBTDCC | Cal Control |
| NIBTDT6 | 6 Hr. Timer |

## R & K Incinerator Parts

*INCRKDB*

*INCRKIE*

| ITEM NO. | DESCRIPTION |
|---|---|
| INCRKDB | Display Board |
| INCRKDSICB | DSI Control Board for LP Incinerator |
| INCRKECB | Electric Cable & Boot for LP Incinerator |
| INCRKIE | Ignition Electrode for LP Incinerator |
| INCRKFS | Flame Sensor |
| INCRKGA | Gun Assembly |

## Replacement Parts for JR Incinerators

### LP Parts

*NIBPT60*

| ITEM NO. | DESCRIPTION |
|---|---|
| NIBPJA | Burner Assembly |
| NIBPT60 | 60 Minute Timer |

### Diesel Parts

| ITEM NO. | DESCRIPTION |
|---|---|
| NIBDJA | Burner Assembly |

# Poultry Hawk

**PREMIUM SERIES**

**E-SERIES**

REMOTE COMMANDED
GALVANIZED RAIL
SOFT START
450 LBS. CAP
BASKET OPTIONS AVAILABLE

- POWDER-COATED
- 12V DEEP-CYCLE BATTERY

- GALVALUME
- 18V OR 20V DRILL BATTERY

## ACCESSORIES AVAILABLE

**TRACK DIVERTER**
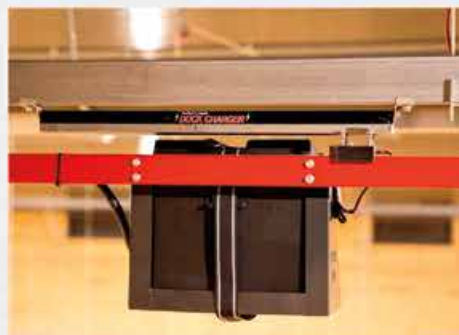
**DOCK CHARGER**

**RAIL BRUSH**

## Simplifying the life of today's poultry farmers

www.innovativepoultryproducts.com

Innovative Poultry Products, LLC

# Pest Control

## Fly Bait

### *The Average Housefly Lives 21 Days. After Eating QuickBayt®, It's 60 Seconds!*

QuickBayt® Fly Bait is a ready-to-use dry scatter bait. Special combination of two powerful attractants make it irresistible to flies. Contains Bitrex® bittering agent to help prevent accidental ingestion. Use indoors or outdoors.

*FHFBQB40*

*FHFBQB5*

### FEATURES

- Starts killing nuisance flies in as little as 60 seconds
- Its red pellets contain two fly attractants to lure flies
- Fast acting, effective, convenient and versatile
- Contains Bitrex®, a bitter substance to help prevent accidental ingestion by children and animals
- Kills flies resistant to organophosphates and carbamates
- Ready to use as scatter bait, but also easy to use in bait stations or as a paint-on

### ACTIVE INGREDIENTS

- 0.5% Imidacloprid
- 0.1% Z-9 tricosene

### APPLICATIONS

- Scatter in areas where house fly numbers are excessive or where house fly breeding occurs. Apply at a rate of 1.5 oz. (3 tbsp) / 250 sq. ft.; **OR**
- Place QuickBayt® in bait stations out of animal access at least 4 ft. above the ground, in a motionless site where flies rest; **OR**
- As a paint-on, mix 3 lbs. of QuickBayt® with 1 qt. water and paint on surfaces where house fly numbers are excessive

| ITEM NO. | DESCRIPTION |
|---|---|
| FHFBQB5 | Quick Bayt 5 lb. Pail |
| FHFBQB40 | Quick Bayt 35 lb. Pail |

## Residual Fly Spray

### FEATURES

- For broad spectrum control of crawling, flying, and wood-infesting insect pests in and around animal housing, warehouses, and processing and packing plants.
- Exclusive PolyZone technology creates a microscopic polymer film that protects from weather, precipitation, irrigation, and mechanical abrasion.
- This product is designed for both indoors and outdoors and will provide effective knockdown and long residual control of the pests listed on this label.
- Residual control that lasts for up to 90 days.
- This product is intended to be mixed with water and applied with hand pressurized or power operated sprayers.

| ITEM NO. | DESCRIPTION |
|---|---|
| FHFSR | Residual Fly Spray Polyzone Annihilator |

*FHFSR*

## Agita Fly Spray

### FEATURES

- Residual has shown to be effective from 4 to 8 weeks, with an average residual of 6 weeks
- Reduces housefly populations in and around the outside perimeter of animal housing
- With fly sex attractant, Z-9-Tricosene
- Attracts and kills house flies (Musca domestica)
- For control of Litter Beetles (Darkling Beetles)
- Thiamethoxam spot spray fly bait
- Water dispersible granule insecticide for control of houseflies and litter beetles

*FHFSRA10WG2*

### BEETLE IMPACTS

- Well-being; excessive litter beetles move under birds, causing them to sit and stand constantly
- Carcass quality; larvae bite birds, leaving scabs and sores
- Feed conversion; increased weight shown with good beetle control
- Disease vectors; host numerous pathogens
- Structural degradation; vapor barriers, sill sealers, spray foam and insulation are damaged

### FLY IMPACTS:

- Distress; agitate animals
- Increase treatment costs; due to transmission of disease
- Disease vectors; can harbor more than 100 different pathogen species

| ITEM NO. | DESCRIPTION |
|---|---|
| FHFSRA10WG2 | Agita Fly Spray 2.2 lbs. |

## Star Bar Fly Stiks

Hang wherever flies are a problem. Choose an area near a window or electric light source. The more light around the fly stick, the more flies will be attracted.

| ITEM NO. | DESCRIPTION |
|---|---|
| FHFTFS24 | 24" Star Bar Fly Stik |
| FHFTFSJR | JR Star Bar Fly Stik |

## Rodent Bait

Liphatech is a global leader in the research, manufacturing and distribution of innovative pest control products. They developed chlorophacinone, bromadiolone and difethialone, three of the industry's active ingredients. Stay ahead of the rodents and prevent disease outbreaks on your farm with this line of rodent baits from Liphatech. Their soft baits are wax free, so they won't melt in hot temperatures. Formulated with a mixture of milled grains and vegetable oils, they are palatable to rodents.

**3 Rotational Options, 3 Active Ingredients, Liphatech**
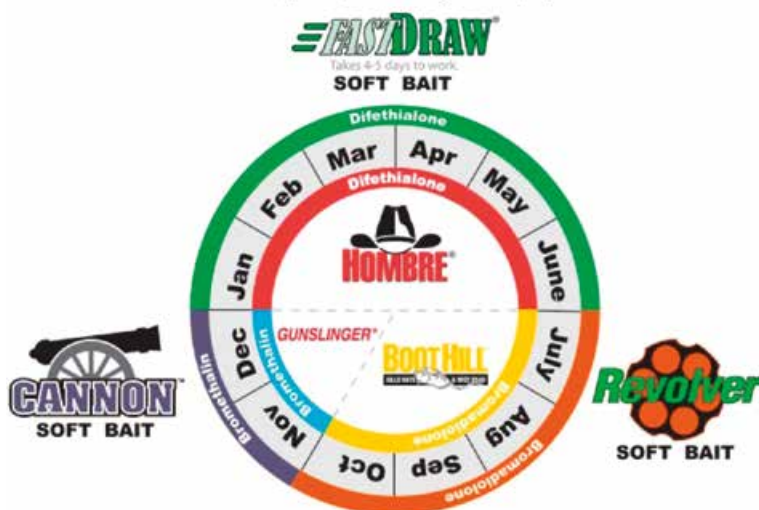
**Control Rodents, Lower Feed Costs, Reduce Building Damage**

### BootHill™

*RBBMB20*

**FEATURES/ADVANTAGES**

- Works well where moisture is a concern
- Whole food-grade grains make it the number one taste preferred by rats and mice
- USDA authorized for rodent control in federal inspection programs
- Contains Vitamin K₁ Antidote, the same as all other anticoagulants
- Can be placed indoors and outdoors in bait stations for maximum baiting flexibility

*ACTIVE INGREDIENT:* Bromadiolone

*BAIT COLOR:* Tan

*MODE OF ACTION:* Second-Generation Anticoagulant

*EFFECTIVENESS TIME FRAME:* 4-6 Days

| ITEM NO. | DESCRIPTION |
|---|---|
| RBBMB20 | Boothill Mini Blocks 20 lbs. |

### Hombre™

*RBHMB20*

**FEATURES/ADVANTAGES**

- Whole grains combined with less wax and dye contributes to the great taste
- One ¾ oz. mini-block can control up to 53 mice
- Notably effective for roof rat control
- Flexible formulations to meet various baiting needs
- Contains Vitamin K₁ Antidote, same as all other anticoagulants
- Authorized for rodent control in federal inspection programs
- Cost effective, more placements per container

*ACTIVE INGREDIENT:* Difethialone

*BAIT COLOR:* Tan

*MODE OF ACTION:* Second-Generation Anticoagulant

*EFFECTIVENESS TIME FRAME:* 4-5 Days

| ITEM NO. | DESCRIPTION |
|---|---|
| RBHMB20 | Hombre Mini Blocks 20 lbs. |

### Revolver™

*RBRSB16*

**FEATURES/ADVANTAGES**

- Outperforms competitive wax blocks and pellets
- Low cost per placement
- 0% wax = fast acceptance acceptance and control
- Less bait waste, saving you money
- Will not melt in high temperatures
- 12-gram pouch fits in hard to reach places

*ACTIVE INGREDIENT:* Bromadiolone

*BAIT COLOR:* Green

*MODE OF ACTION:* Second-Generation Anticoagulant

*EFFECTIVENESS TIME FRAME:* 4–5 Days

| ITEM NO. | DESCRIPTION |
|---|---|
| RBRSB16 | Revolver 16# |

# Rodent Bait

## FastDraw™

*RBFSB16*

FastDraw™ is a no-wax, soft bait that is highly palatable and an excellent option for controlling rodent infestations. The active ingredient is Difethialone, a second-generation, single-feed anticoagulant. Difethialone is formulated at 25 PPM (parts per million). This bait maintains its palatability and integrity (shape) in extreme hot and cold environments. Excellent for high temperatures and summer baiting.

### FEATURES/ADVANTAGES

- Powerful Attractants – Gets infestations quickly under control
- Convenience & Versatility – Perfect for challenging placements above clean-out pits and subfloors
- Faster Results – Combines bait integrity of mini-blocks with money-saving, targeted dosing of place-packs
- Maximum Attraction – Even with competing food sources nearby. Contains food-grade grains and oils and no wax
- Draws In Rodents – Aroma escapes through breathable pouch and encourages feeding
- Works Quickly – Rodents generally accept within 24 hours; kills in 4-5 days
- Can be baited directly on the vertical rods in bait stations

**ACTIVE INGREDIENT:** Difethialone

**BAIT COLOR:** Green

**MODE OF ACTION:**
Second-Generation Anticoagulant

**EFFECTIVENESS TIME FRAME:** 4–5 Days

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RBFSB16 | Fast Draw 16# |

## Renegade

*RBRM25*

### FEATURES/ADVANTAGES

- All- weather bait for wet or dry areas
- For indoor and outdoor use
- Kills Norway rats, roof rats, house mice and warfarin-resistant house mice.
- Norway rats and house mice may consume a lethal dose in one night's feeding, but it may take two or more days from time of consumption for them to die.

**ACTIVE INGREDIENT:** Difethialone

**BAIT COLOR:** Green

**EFFECTIVENESS** Time Frame: 4-5 Days

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RBRM25 | Renegade Meal Bait 25 lb. |

## Cannon

*RBCSB04*

### FEATURES/ADVANTAGES

- For indoor and outdoor use.
- Kills Norway rats, roof rats, house mice, and anticoagulant-resistant rats
- Rodents may consume a lethal dose in one night's feeding, but it may take two or more days from time of consumption for them to die

**ACTIVE INGREDIENT:** Bromethalin

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RBCSB04 | Cannon Soft Rodent Bait |

## Gunslinger™

Kills Norway rats, roof rats, & house mice.
For indoor & outdoor use.

**ACTIVE INGREDIENT:** Bromethalin

**BAIT COLOR:** Green

**EFFECTIVENESS TIME FRAME:** 1-2 Days

*RBGMB425*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RBGMB425 | Gunslinger Mini Blocks |

## Rodent Bait

Motomco has nearly 40 years experience in the development of proprietary rodent bait formulations. They use an extensive array of high quality, food-grade ingredients, many of which are purchased in small batch quantities to ensure freshness. They synthesize their own active ingredients to ensure their purity and consistency. In short, Motomco is a world-class formulator and manufacturer of the most comprehensive line of rodent baits.

### Jaguar

*RBMJS16*

*RBMJC09*
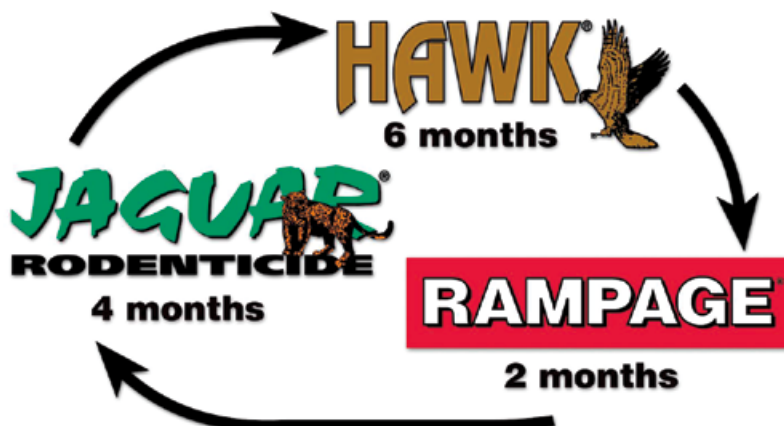
#### FEATURES/ADVANTAGES

- Made with the active ingredient Brodifacoum, a second-generation anticoagulant
- Excellent for areas of heavy rodent pressure and tough, hard to control infestations
- Rats and mice may consume a lethal dose in one night's feeding with first dead rodents appearing 4-5 days after feeding begins
- Mold and moisture resistant

| ITEM NO. | DESCRIPTION |
|---|---|
| RBMJC09 | Jaguar Chunx 9 lbs. |
| RBMJC18 | Jaguar Chunx 18 lbs. |
| RBMJS16 | Jaguar Soft Bait 16 lbs. |
| RBMJR150 | Jaguar Rodenticide 50GM 73S |
| RBMJR73 | Jaguar Rodenticide 50GM 73S |

### Rampage

*RBMRC09*

Specifically formulated for use in production livestock facilities, especially swine & poultry operations.

#### FEATURES/ADVANTAGES

- Higher melt point and an enhanced preservative system
- Use Rampage All-Weather Bait Chunx in a rotational program for at least 2 months
- Including a non-anticoagulant active at least once a year is critical to rotation to reduce any potential resistance issues in a population
- Rampage All-Weather Bait Chunx are mold & moisture resistant and can be used in many different conditions

| ITEM NO. | DESCRIPTION |
|---|---|
| RBMRC04 | Rampage Chunx 4 lbs. |
| RBMRC09 | Rampage Chunx 9 lbs. |
| RBMRM12 | Rampage Meal Bait 12 lbs. |

### Hawk

*RBMHC09*

#### FEATURES/ADVANTAGES

- Made with the active ingredient Bromadiolone, a second-generation anticoagulant
- Rats and mice may consume a lethal dose in one night's feeding with first dead rodents appearing 4-5 days after feeding begins
- Use Hawk Bait Chunx in a rotational program for up to 6 months, especially for regular maintenance baiting during spring & summer
- Formulated with an optimal blend of ingredients and low wax content for maximum palatability and weatherability
- Mold and moisture resistant
- Unique block shape and edges preferred by rodents that like to gnaw
- Contains holes for placing on rods in a bait station, or can be secured using nails or wire

| ITEM NO. | DESCRIPTION |
|---|---|
| RBMHC09 | Hawk Chunx 9 lbs. |
| RBMHC18 | Hawk Chunx 18 lbs. |
| RBMHM25 | Hawk Meal Bait 25 lbs. |
| RBMHR86 | Hawk Rodenticide 1.5 oz. 86S |

### Agrid 3

#### FEATURES/ADVANTAGES

*RBMA3*

- First and only rodenticide listed by OMRI (Organic Materials Review Institute) for use in Organic Production
- Active ingredient is Cholecalciferol (Vitamin D3), an acute rodenticide
- High melt point – blocks are stable up to 200 degrees
- Agrid3 Bait Chunx are mold & moisture resistant and can be used in damp environments

| ITEM NO. | DESCRIPTION |
|---|---|
| RBMA3 | Agrid3 Organic Chunks 4 lbs. |

## Rodent Bait-JT Eaton Bait Blocks

These 1 ounce bait blocks contain the active ingredient, Diphacinone 0.05%, a first-generation rodenticide. This rodent bait is an all weather block form and may be used both inside and outside. It has a center hole that may be used to "rod" the bait on rods in bait stations.

### APPLICATION

- Rats: Place 4-16 blocks (4-16 oz) per placement. Space placements at intervals of 15-30 feet in infested areas. Maintain a supply of fresh bait for at least 10 days after activity has ceased.
- Mice: Place 1 oz. blocks at intervals of 8-10 feet in infested areas. Maintain a supply of bait for at least 15 days until activity has ceased.
- Featured Benefits:
- Mixture of natural foods and grain for high bait acceptance

- Center holes to secure the bait in bait stations for extra security.
- Kills Norway rats, roof rats and house mice in wet or dry areas. Mold and moisture resistance
- For indoor and outdoor use
- Each block is color-coded red to prevent misuse.
- 9 lb. pail of 144 one ounce blocks.

| ITEM NO. | DESCRIPTION |
|---|---|
| RBBJTEAF | Apple Bait Blocks |
| RBBJTEPBF | Peanut Butter Bait Blocks |
| RBBST | Top Load Bait Station |

## Bait Stations & Mouse Traps

*Aegis™ Mouse Bait Stations* provide more rodenticide capacity and convenient placement flexibility for vertical or horizontal mounting. The design allows for two blocks of rodenticide to be safely secured inside. The see-through tunnel entices mice to enter and feed. Available in a clear lid model with rotating hinges or an economical solid black model with living hinge.

*Note: Designed for use with Liphatech® (Boothill™, Hombre™ & Gunslinger™) mini blocks ONLY. Regular sized blocks/chunx will NOT fit in this station.*

### FEATURES/ADVANTAGES

- Easy and fast to service
- Easy-open lid allows for quick replacement of rodenticides
- Solid black lid model has a living hinge for lower costs
- Heavy-duty construction

- Anchoring holes for securing the station to floors, walls or pipes
- Includes key
- Dimensions: 5½"L x 4⁵⁄₁₆"W x 1⅝"H
- Weight: 8 oz.

*Aegis Bait Station*



*RBBSA*

*Multi Catch Mouse Trap*



The treadle is attached to the lid, making cleaning out a quick and easy task.

*MTRAP*

| ITEM NO. | DESCRIPTION |
|---|---|
| RBBSA | Aegis Bait Station |
| MTRAP | Multi Catch Mouse Trap (Pro Ketch) |

## Durvet Dairy Bomb

25 oz. aerosol can: Dairy Bomb 55 is indicated for use in the control of flying and crawling insects in beef cattle operations, dairy barns (including milk houses and milk rooms), hog houses, barns, stables, animal quarters, milk rooms, and poultry houses.

Pressurized

Kills & repels – house flies, horn flies, stable flies, horse flies, face flies, deer flies, gnats, mosquitoes, small flying moths (millers), asian lady beetles, roaches, waterbugs, sowbugs, spiders, centipedes, ants, crickets, wasps and hornets.

| ITEM NO. | DESCRIPTION |
|---|---|
| DB-55 | Durvet Dairy Bomb |



*DB-55*

# Disinfectants & Cleaners

## Tek-Trol

Broad-spectrum antimicrobial agent for environmental surfaces

Kills pandemic 2009 H1N1 Influenza A Virus (formerly called Swine Flu)

- Disinfect
- Virucide
- Tuberculocidal
- Fungicide (against pathogenic fungi) mildewstat (on hard, non-porous, inanimate surfaces)
- Eliminates odors by attacking the source of the odors



*FHDT17*  *FHDT1*

| ITEM NO. | DESCRIPTION |
|---|---|
| FHDT17 | Tek-Trol Disinfect 17 oz. Aerosol Can |
| FHDT1 | Tek-Trol Disinfect 1 Gal. |

## Cool Cell Cleaner



Cleaner & descaler for poultry and swine water lines, cool cell pads and hard environmental surfaces

*EVCNC*



SCI-62 can be used to control algae, bacteria and pond weed in irrigation reservoirs, ponds, chemigation systems, and potable water sources.

*EVCAS1*

| ITEM NO. | DESCRIPTION |
|---|---|
| EVCNC | Cool n Klean |
| EVCAS1 | SCI-62 Algaecide Cool Cell Treatment 1 Gal. |

## Water Line Cleaner

### Cid 2000 Pro

2.6 gallons; Cid 200o Pro is an ideal product for the removal of heavy soils and scale/mineral build up in the drinking water system.

#### DIRECTIONS FOR USE

Cleaning the system when not in use:

- To clean the system, use a 2% solution/2.5 oz. per gallon of water and leave to work in the system for 12-24 hours.
- After 12-24 hours, rinse with plenty of clean water to make sure all of the product is out of the entire system including nipples or cups.
- Make sure the animals do not have direct contact with the product at these levels.
- After flushing the system with clean water, it is recommended to follow your cleaning process with an EPA registered water line sanitizer or disinfectant to use continuously with animals present.

*While cleaning the operating system, never mix any other product with Cid 2000 Pro.*

### Mineral Clean

1 gallon

- Removes mineral build up.
- Reduces PH.
- Equipment friendly.

| ITEM NO. | DESCRIPTION |
|---|---|
| FHWLCC2000 | Cid 2000 Pro |
| FHPCM | Mineral Clean |
| FHPC | Proxy Clean |

### Proxy Clean

#### DIRECTIONS FOR USE

Directions for cleaning when the system is not in use:

- Determine the capacity of the drinking water system.
- Prepare a 1-3% solution, depending on contamination.
- Apply the solution.
- Remove the cap at the end of the drinking system to check for fizzing reaction, to determine that Proxy-Clean has reached every point.
- Activate all nipples or cups
- Allow the solution to circulate if possible
- If circulation is not possible, the system must stand full for at least 12 hours
- After cleaning, thoroughly flush with water.
- Reactivate all nipples and cups.

## Tube Heater Cleaner

| ITEM NO. | DESCRIPTION |
|---|---|
| HTTC25 | Tube Heater Cleaner 2.5 Gal |

## Chlorine

| ITEM NO. | DESCRIPTION |
|---|---|
| WTC5.25-1 | 1 Gal Chlorine 6% |
| WTC12.5-5 | 5 Gal Chlorine 12.5% |

## Iodine

| ITEM NO. | DESCRIPTION |
|---|---|
| FHI1.751 | Iodine 1.75% 1 Gal. |

## Foot Pan Powder

*OG6260483*

*FHFPPJ*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FHFPPJ | Organic Foot Pan Powder 11 lb. Jug |
| FHFPP | Foot Pan Powder 45 lb. |
| OG6260483 | 3 Gallon Rubber Feed Pan |

## Hand Held Sprayers

### *Chaplin Poly Sprayers*

Ideal for weed control, pest control and fertilizers. Ergonomic pump handle makes pumping and carrying easy. Lightweight, polyethylene translucent tank making it easy to check fluid levels

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| OG0614107 | 1 Gallon |
| OG1031517 | 2 Gallon |

# Personal Protection

## Biosecure Suits

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| CAL25 | Disposable Coverall L |
| CAXL25 | Disposable Coverall XL |
| CAXXL25 | Disposable Coverall 2XL |
| CAXXXL25 | Disposable Coverall 3XL |

*BIOSECURE SUITS*

## Biosecure Boots

- Pack of 25 pair
- Recommended shoe size 12-16

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| DB | Disposable Bio Security Boot L |
| DBXL | Disposable Bio Security Boot XL |

*BIOSECURE BOOTS*

## Biosecure Caps

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| DC | Disposable Bio Security Cap |

## Nitrile Gloves

- Come in boxes of 100

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| OG5784558 | Nitrile Gloves-M |
| OG3762549 | Nitrile Gloves-L |
| OG7536147 | Nitrile Gloves-XL |

## Dust Masks & Respirators

*DMCVM23NB10 – Box of 10*    *RSMH7*    *RSMF9*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| DMCVM23NB10 | Moldex 2300N95 Respirator |
| RSMH7 | Series 7000 Half Mask Respirator (Box of 10) |
| RSMF9 | Series 9000 Full Mask Respirator |
| RSMCMG | Multi-Gas Respirator Cartridges |

# Swine Handling

## Sorting Panel

This durable 30" x 36" Swine Two-Way Solid Sorting Panel comes in handy for guiding swine in and out of stalls and crates. Features one-piece molded construction with no seams to protect the panel from bacteria. Includes rounded hand grips on the top and sides for easy handling. Lightweight, this 11-lb. panel may be easily manipulated by one person.

### ADVANTAGES

- Made of high-density polyethylene
- Durable and lightweight for easy handling
- 1¼" flared edges on perimeter of sorting panel prevent sorting panels from falling into the pit
- Comfortable, rounded handle hole grips on the top & side allow for easy handling with better control
- Smooth surface is easy to clean and disinfect. Won't dent like aluminum
- Designed to address biosecurity issues while moving or sorting pigs with ease. Helps protect farm workers & hogs
- Manufactured as 1-piece solid molded construction with no seams to spilt open or harbor disease
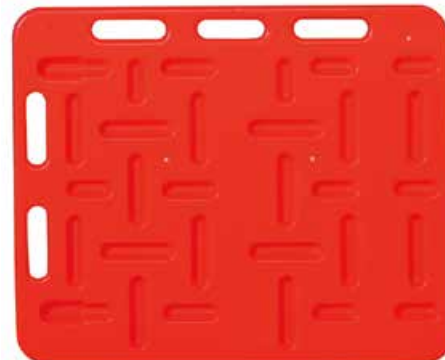
| ITEM NO. | DESCRIPTION |
|---|---|
| HGSPS30X36 | Solid Sorting Panel |
| HGSPN2937R | Sorting Panel w/ Noise |

## Sorting Paddle

### FEATURES

- Delivers both visual and audile stimuli for sorting livestock of all types
- 6.25 inch-wide paddle creates a visual barrier, reinforced by the sound of BBs inside
- Comfortable golf-style grip
- Vinyl covering for protection and easy cleaning
- 48 inch long including handle

| ITEM NO. | DESCRIPTION |
|---|---|
| OG2183317 | 48" HOT SHOT Sorting Paddle |

## Sorting Pole

### FEATURES

- Humane and effective tool for sorting livestock
- Allows the handler to gently control animals' movements
- Comfortable golf-style grip
- Vinyl covering for protection and easy cleaning

| ITEM NO. | DESCRIPTION |
|---|---|
| OG2183333 | 54" HOT SHOT Sorting Pole |

## DuraProd Livestock Prod

### FEATURES

- Finest electric livestock prod on the market
- Patented technology to reduce feedback shock, sealed circuitry
- Rubber handle grip, oversized trigger, hand guard, built-in safety switch
- Four C-cell batteries included
- Comes with 36 inch rigid fiberglass shaft;

*HSPDXR36*

| ITEM NO. | DESCRIPTION |
|---|---|
| HSPDX36 | Duraprod 36" Fiberglass Battery |
| HSPDXR36 | Rechargable Dura Prod 36" Fiberglass |
| HSPDXRBP | Rechargeable Battery Pack |
| HSPALKDP | High Amp Battery F/Prods |

*HSPDXRBP*  *HSPALKDP*

## Livestock Prods

### FEATURES

- Finest electric livestock prod on the market
- Patented technology to reduce feedback shock, sealed circuitry
- Rubber handle grip, oversized trigger, hand guard, built-in safety switch
- Four C-cell batteries included
- Comes with 36 inch rigid fiberglass shaft

*HSPHS36*

*HSPSS36*

| ITEM NO. | DESCRIPTION |
|---|---|
| HSPHS36 | The Green One |
| HSPSS36 | The Red One |
| HSPHUSC | The Red One Handle Unit Only |
| HSPHUHSC | The Green One Handle Unit Only |

*HSPHUHSC*

*HSPHUSC*

## Flexible Shafts

- Fits on any Hot-Shot Electric Livestock Prod
- Flexible shaft can withstand bending up to 180 degrees
- Use with livestock only

| ITEM NO. | DESCRIPTION |
|---|---|
| HSPFX22 | 22" Flex Shaft |
| HSPFX32CL | 32" Flex Shaft |
| HSPFX42CL | 42" Flex Shaft |

## Fiberglass Shafts

- Fits on any Hot-Shot Electric Livestock Prod
- Rigid fiberglass
- Use with livestock only

| ITEM NO. | DESCRIPTION |
|---|---|
| HSPRH24 | 24" Fiberglass Shaft |
| HSPRH48CL | 48" Fiberglass Shaft |

## Power Mite

- Pocket-size livestock prod
- Moisture resistant
- Designed for close-in
- Includes two 9-volt alkaline batteries and latigo carrying strap

| ITEM NO. | DESCRIPTION |
|---|---|
| HSPPM | Power Mite |

# Poultry Handling

## Pickers

### Yellow Picker

| ITEM NO. | DESCRIPTION |
|---|---|
| CPICKER | Yellow Picker |
| CPICKERJ | Jaw for Picker |
| CPICKERL | Hand Lever for Picker |
| CPICKERS | Spring for Picker |
| PKPP | Plastic Picker Pad |

### Tough Tong Picker

| ITEM NO. | DESCRIPTION |
|---|---|
| PKTT | Tough Tong Picker (Long) |
| PKTTS | Tough Tong Picker (Short) |
| PKTTJ | Jaw for Tough Tong Picker |
| PKTTTS | Tension Spring f/ Tough Tong Picker |

### Chicken Catcher Hook

| ITEM NO. | DESCRIPTION |
|---|---|
| CCH | Chicken Catcher Hook |

### King Tong Picker

| ITEM NO. | DESCRIPTION |
|---|---|
| PKKT | King Tong Picker |
| PKPKT | King Picker Pad |

# Animal Identification

## Marking Crayons

Livestock marker in a crayon-style for breeding, sorting, inoculation and other marking needs.

- Temperature and weather resistant
- Use on wet or dry animals
- Available in 5 colors

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| IDMCB | Animal Marking Crayon (Blue) |
| IDMCBL | Animal Marking Crayon (Black) |
| IDMCG | Animal Marking Crayon (Green) |
| IDMCO | Animal Marking Crayon (Orange) |
| IDMCR | Animal Marking Crayon (Red) |

## Dye Spray

Aervoe's supreme quality livestock marking dyes are UV resistant and long lasting. Apply stripes, letters, numbers or other marks at any angle and with pinpoint accuracy.

- Excellent color visibility
- Long lasting marks
- Not affected by moisture and will not wash away
- Sprays in any direction
- Non-clogging
- More shots and linear feet than anything on the market

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| IDMDSB | Animal Marking Dye Spray (Blue) |
| IDMDSBL | Animal Marking Dye Spray (Black) |
| IDMDSG | Animal Marking Dye Spray (Green) |
| IDMDSR | Animal Marking Dye Spray (Red) |

## Paint Spray

Livestock marking paint provides good color visibility and retention when identifying cows in standing heat. It may also be used for other livestock marking purposes.

- Apply by hand or with #244 Spot Marker
- Operates in an inverted position
- Lasts up to 4 weeks
- Will not wash away once dry

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| IDMPSB | Animal Marking Paint Spray (Blue) |
| IDMPSP | Animal Marking Paint Spray (Pink) |
| IDMPSR | Animal Marking Paint Spray (Red) |

## Twist Sticks

Livestock marker in a twist-style for breeding, sorting, inoculation and other marking needs.

- Temperature and weather resistant
- Use on wet or dry animals
- Available in 7 colors

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| IDMTB | Animal Marking Twist-Stick (Blue) |
| IDMTBL | Animal Marking Twist-Stick (Black) |
| IDMTFP | Animal Marking Twist-Stick (Pink) |
| IDMTG | Animal Marking Twist-Stick (Green) |
| IDMTO | Animal Marking Twist-Stick (Orange) |
| IDMTP | Animal Marking Twist-Stick (Purple) |
| IDMTR | Animal Marking Twist-Stick (Red) |

# Farm and Ranch Supplies

## Waterers

### Plasson Breeder Drinker

Made of a rugged high-impact plastic, formulated to withstand the ravages of the active poultry house for many years, each bell drinker features a ballast bottle, which acts independently of the bell and eliminates wear on the valve mechanism. Plus, Plasson bell drinkers ensure a constant water level and a dry floor; once a bird drinks as little as 10 grams (0.3 oz.) of water, this highly sensitive and maintenance-free system is activated. Our bell drinkers support new humane growing practices for complexes with natural certifications.

Approximately 10-12 PLASSON Breeder Drinkers are needed per 1000 adult birds. *(In hot climates, 12-14 drinkers per 1000).*

*INSTRUCTIONS FOR USE*

- For optimum efficiency, the working pressure is as follows: (6-8 psi).
- The pressure can be regulated by means of a pressure regulator or via a head tank.
- The ballast bottle should be completely filled with water up to the water level line. In frost prone areas, add antifreeze to the water.
- Adjust drinkers to the proper drinking height, always keeping the drinker lip a little higher than the bird's back.
- Keep water level in the bell trough as low as possible.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTPBRD | Plasson Breeder Drinker |

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### Cyclone Biddie Drinker

The Biddie Drinker is an economic way to start chicks. They are made of corrosion free plastic and super easy to clean. It has an adjustable water level and float valve, allowing the drinker to shut off independently.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| WTCBD | Cyclone Biddie Drinker only |

### Plastic Dome Waterer-8 Gallon

*FEATURES*

- Large capacity waterer accommodates between 80-100 chickens
- Top-fill design
- Valve in base controls water flow
- Can also be used for ducks or other poultry
- Holds up to 8 gallons of water

*\*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FRDPDW8G | Plastic Dome Waterer (8 gallon) |

### Plastic Poultry Waterer

This waterer is made of heavy-duty polypropylene, making it able to withstand cracking from cold weather. Its simple screw-on design makes it easy to assemble. The watering ring is designed to combine with the jar to create a gravity-fed waterer.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FRPW1Y | Plastic Poultry Waterer (1 gallon) |

### Automatic Poultry Waterer

## Never carry water to your birds again!

Great new design includes a 0.75 inch hose that attaches to a standard garden hose for a continuous flow of fresh water for your flock. Automatic float controls the water level so there is no spilling or overflow. Oversized cover extends beyond the edge of the bowl to prevent roosting and keep debris out of the water. Easy to assemble, easy to clean. Bowl is made of high-density polyethylene, cover is white polypropylene attached to a metal bracket. Designed for use with adult birds (not intended for baby chicks).

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FRPWA5Q | Automatic Poultry Waterer (5 qt.) |

## Poultry & Game Bird Waterer

This large-capacity automatic poultry waterer features a vacuum-sealing O-ring cap that creates an automatic water flow. Made of dent-proof, heavy-duty translucent plastic that allows you to see the water level. The easy-to-fill jar snaps compactly onto the base, and the rugged handle makes transport around the yard easy. This is a durable unit that will stand up to plenty of use.

| ITEM NO. | DESCRIPTION |
|---|---|
| FRPW12 | Poultry & Game Bird Waterer (3 gallon) |
| FRPW5 | Poultry & Game Bird Waterer (5 gallon) |

*3 Gallon*　　　*5 Gallon*

## Cattle Feeder

### Round Bale Feeder

Tarter's Titan Bull Hay Feeder is designed for large round bale feeding to cattle in the harshest environments with herds and animals of all sizes. It is constructed with 2" round high-tensile strength steel tubing and features a Hay Saver ring for feed savings. The S-bar design prevents calves from getting inside the feeder, while the heavy-duty end post brace provides superior strength and easy assembly.

*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

| ITEM NO. | DESCRIPTION |
|---|---|
| TGFBF | Round Bale Feeder |

### Kuhl Hanging Feeder

This feeder's built in grill helps to reduce extra feed waste. It is constructed of heavy-duty polypropylene plastic to prevent cracking over time and from cold weather.

| ITEM NO. | DESCRIPTION |
|---|---|
| FDHFKP35 | 35 lb. Kuhl Hanging Feeder w/ Built In Grill |

## Poultry Feeders
*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

### Plastic Dome Feeder

FEATURES

- Large capacity feeder
- Easy top-fill design with screw-on lid
- Legs keep feeder off the ground
- Easily removable Feed Saver ring minimizes spillage
- Holds up to 60 lbs. of feed

| ITEM NO. | DESCRIPTION |
|---|---|
| FRDPDF60 | Plastic Dome Feeder – 60 lbs. |

### Brower Hanging Feeder

This feeder's tapered body ensures sufficient feed flow. It is constructed of heavy-duty plastic to prevent cracking. It has exclusive wire snap adjustments with 3 feed adjustment settings. It comes with a 3" deep pan and feeds approximately 45 birds.

| ITEM NO. | DESCRIPTION |
|---|---|
| FDHFBP30 | 30 lb. Brower Hanging Feeder Plastic |

### Plastic Poultry Feeder

FEATURES

- Hanging poultry feeder designed exclusively for the hobbyist
- Anti-scratch vanes help prevent crowding and feed waste, and the feed-saver lip minimizes spillage
- Adjustable feed level, metal hanging bracket
- Holds 22 pounds of feed

*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

| ITEM NO. | DESCRIPTION |
|---|---|
| FRDPPF22 | Plastic Poultry Feeder – 22 lbs. |

### Super Bowl Bucket Feeder

Feeder holds approximately 50 pounds of feed. The polished surface allows for easy cleaning. Snap together design makes assembly quick and easy.

| ITEM NO. | DESCRIPTION |
|---|---|
| FDSBB | Super Bowl Bucket Feeder |

## Chick Feeders

### Plastic Ground Feeder

*FEATURES*

- Flip-top ground feeder for poultry
- Easy to fill and clean
- Snap-in hinge for long life
- 28 feeding holes (14 per side)
- High-density polypropylene plastic
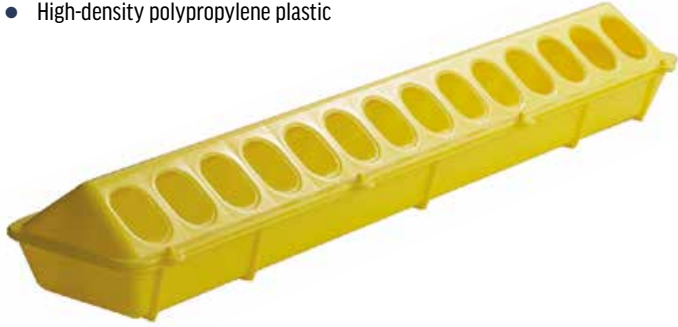
| ITEM NO. | DESCRIPTION |
|----------|-------------|
| RDPGF | Plastic Ground Feeder |

### DURA-GRO Chick Starter Feeder

*FEATURES*

- Constructed from virgin high-density polyethylene
- Reinforced stress points
- Can be manually or automated filled
- 50-100 birds per feeder
- Improves flock uniformity and minimizes feed waste
- Easy to stack & store

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDCSPDGH | DURA-GRO Chick Start Pan – 10 lb. |
| FDCSPDGL | DURA-GRO Chick Start Pan – 9 lb. |

### Turbomate Chick Start Pan

The Turbomate is a chick feeder designed to use for the first 14 days. It provides easy access to feed while minimizing waste.

Place between automatic feeders and replace your other floor feeding systems.

*FEATURES*

- Fits both ribbed and smooth feed tube types
- Recommend one Turbomate for every 75-100 chicks
- When finished, close off feed and rotate up 180 degrees for storage
- On smooth feed tubes, install the Turbomates in alternating directions to counterbalance the weight.
- On ribbed feed tubes, install an adjustable feeder hanger every 30 feet of feed tube to offset any tilting of feed line
- 8.5" tall from bottom of feed tube to bottom of pan
- This version is not compatible with taller feeders such as the Chore-Time Revolution and the Big Dutchman Fluxx feeder.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDTMCSP | Turbomate Chick Start Pan |

### Turbomate High Chick Start Pan

The Turbomate 1 Long Version is a chick feeder designed for taller feeders such as the Chore-Time Revolution and the Big Dutchman Fluxx feeder. Like the regular Turbomate, it is designed to use for the first 14 days. It provides easy access to feed while minimizing waste

Place between automatic feeders and replace your other floor feeding systems

*FEATURES*

- Fits both ribbed and smooth feed tube types
- Recommend one Turbomate for every 75-100 chicks
- When finished, close off feed and rotate up 180 degrees in either direction for storage
- 9.63" tall from bottom of feed tube to bottom of pan
- 2.65 lb. feed capacity

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FDTMCSP-H | Turbomate High Chick Start Pan |

## Nursing Bottles

*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

### Snap On

FEATURES

- Bottle is FDA-approved, food-grade polyethylene plastic
- Translucent to show content level
- Nipple is a special rubber formula that preserves pliability and long life
- Handy snap-on top

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NB9812 | 2 QT Nursing Bottle-Snap On Nipple |
| NB9813 | 3 QT Nursing Bottle-Snap On Nipple |

### Screw On

FEATURES

- Bottle is FDA-approved, food-grade polyethylene plastic
- Translucent to show content level
- Nipple is a special rubber formula that preserves pliability and long life
- Threaded top for a secure fit

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NB9312 | 2 QT Nursing Bottle-Screw On Nipple |
| NB9313 | 3 QT Nursing Bottle-Screw On Nipple |

### Nipples

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| NB93PK | Screw On Calf Nipple |
| NB98CN | Snap On Calf Nipple |
| NB94PK | Snap On Lamb Nipple |
| NB98PK | 2 Pack Snap On Nipple |
| NB93SCPK | Plastic Ring for Screw on Calf Nipple |

NB93PK.JPG     NB98CN.JPG     NB94PK.JPG     NB98PK.JPG     NB93SCPK.JPG

## Rubber Feed Pan

100% reinforced rubber composition makes these products extremely resistant to cold weather cracking. Multiple feeding of animals, salt and mineral feeders, ceramic tile soaking, and other farming and industrial chores.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| OG6260483 | Rubber Feed Pan (3 gallon) |

## Plastic Muck Tub

Ideal for small cleanup jobs. Strong poly rope handles. Large mouth size makes for quick filling. Made from heavy-duty polyethylene to prevent cracking & warping. Multiple colors available.

*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FRTP70Q | Plastic Muck Tub (70 qt.) |

## Plastic Pan

Made of impact resistant DuraFlex plastic. Ideal for animal feeding, automotive oil pan, and many other practical uses. Multiple colors available.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FRPP05 | Plastic Pan (5 qt.) |

## Plastic Bucket

These plastic buckets are perfect for use on farms, ranches, and worksites everywhere. They are manufactured with heavy-duty plastic that helps prevent stress cracks & warping. Holds 8 quarts. Multiple colors available.

*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| FRBP08Q | Plastic Bucket (8 qt.) |

## Stock Tanks

*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

Little Giant Poly Stock Tanks are built tough for superior performance and long-lasting durability. Stock tanks have many versatile uses in the farm and ranch environment. They can double as hay tubs, storage bins, and chick brooders, as well as water tanks, to name a few. This tank has a sturdy, molded-in rim for easy handling. Oval shape eliminates corner stress. Drain plug has a standard ¾ inch fitting for attaching to a garden hose. Available in several sizes.

| ITEM NO. | DESCRIPTION |
|---|---|
| PST15G | 15 Gallon |
| PST40G | 40 Gallon |
| PST75G | 75 Gallon |
| PST100G | 100 Gallon |
| PST150G | 150 Gallon |

## Feed Scoops

*5 Pint Plastic Feed Scoop*

*3 qt. Polypropylene Feed Scoop*

*4 qt. Galvanized Feed Scoop*

| ITEM NO. | DESCRIPTION |
|---|---|
| FSP5P | 5 Pint Plastic Feed Scoop |
| OG2574648 | 3 Qt. Red Plastic Feed Scoop |
| OG7168024 | 4 Qt. Galvanized Feed Scoop |

## Plastic Coated Egg Basket

Plastic coating helps prevent rust. Hard plastic handle. Holds approximately 15 dozen eggs.

| ITEM NO. | DESCRIPTION |
|---|---|
| EGBPC | Plastic Coated Egg Basket |
| EGBPCC | Cover Grill f/ Egg Baskets |

## Small Black Egg Gathering Basket

Basket design allows for easy cooling, washing and quick drying of eggs. It is made of heavy-duty coated wire to help prevent corrosion. The basket is securely welded at every joint and holds up to 3 dozen large eggs.

| ITEM NO. | DESCRIPTION |
|---|---|
| EGBBS | Small Black Egg Gathering Basket |

## Beginner Poultry Kit

### *Great little starter kit for your backyard flock!*

**KIT INCLUDES**

*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

- 10.5" brooder reflector lamp plus 250W red heat lamp bulb
- 1.5-lb. plastic poultry chick feeder
- 1.5-qt. plastic poultry chick waterer
- 8" plastic ground feeder
- 12-page Poultry Guide booklet

## Egg Scales

- Hundredth of a gram accuracy
- 100 g maximum capacity
- Comes with 2 AAA batteries

| ITEM NO. | DESCRIPTION |
|---|---|
| EGSD500G | Digital Egg Scales 500 Gram Capacity |

## Incubator

*FEATURES*

- Digital Display – Shows temperature, humidity, & days to hatch
- E-Z Fill Water Channels – Add water without removing the lid
- Incutek Heater – Heats to factory pre-set of 100°F within minutes
- Days to hatch countdown – Set at 21 days. Adjustable for variety of eggs
- Hi-Lo Temp Notification – Light flashes when outside of range
- Integrated Fan – Pulls in and circulates fresh air to stabilize temperature and improve hatch
- Automatic Egg Turner – Eliminate egg handlin Holds 41 eggs.
- Egg Candler – Check the internal development process of the eggs
- Durable plastic shell – Protects incubator and easy to clean
- Large window – Provides 360° unobstructed view inside incubator
- Deep bottom tray – To accommodate even larger duck & goose eggs

| ITEM NO. | DESCRIPTION |
|---|---|
| IBFIPS4250 | FI Pro Series Incubator w/ Egg Turner |

## Bird Scales

### Hand Held Digital Bird Scales

*FEATURES*

- 22 lb. capacity, ¼ oz. or 0.02 lb. readability
- Robust, lightweight, and simple to operate
- Operates as a handheld or suspended
- Large easy to read LCD display
- Tare and hold annunciators
- Weighing handle included
- Multiple units of measurement (lb., lb. oz., kg.)
- Carrying pouch with belt clip to protect scale while not in use
- Memory tare function retains tare during power off and power on
- Powered by 9V Alkaline battery (included)
- CE electromagnetic compatibility

### Hand Held Digital Economy Bird Scale

*FEATURES*

- Perfect for fishing trips
- Built tough for the sportsman
- Displays lb., kg., and oz.
- Energy saving Auto Off
- Low battery indicator
- Built in tape measure

| ITEM NO. | DESCRIPTION |
|---|---|
| BSDHH | Hand Held Digital Bird Scales |
| BSDHHE | Hand Held Digital Economy Bird Scale |

## Environmental Meters

### 4 In 1 Environmental Meter Hand Held

*FEATURES*

- Measures and displays air speed in five Imperial or metric units
- Also measures and displays ambient temperature, relative humidity (RH) and light level
- "K" port for measuring surface temperature using an optional Type "K" thermocouple probe
- Small and light enough for one-handed operation
- Min/Max memory + data hold
- Single and multi-point averages
- °F/°C switch
- Zero offset for light level measurement
- Auto power off
- Tripod mount

### Hand Held Humidity & Temperature Pen

*FEATURES*

- Check home ventilation for efficiency & comfort
- Monitor green-house environment
- Fits in your shirt pocket with back clip
- Humidity range: 20 to 100% RH
- Temperature range: 32° to 122° F

| ITEM NO. | DESCRIPTION |
|---|---|
| THE41M | 4 In 1 Environmental Meter Hand Held |
| THHHLD | Hand Held Humidity & Temperature Pen |

## Hand Tools

### Shovels

**Flat Shovel**

Lacquered and tumble finish on head, green steel collar.

**Dirt Shovel**

Lacquered and tumble finish on head, green steel collar. 6 in. soft cushion grip.

**Grain Shovel**

Used for scooping grain, snow, mulch, or other general purpose cleanup.

**Aluminum Bully Shovel**

**Manure Fork**

Farming quality tool. Forged head. Premium ash handle with lacquered finish.

**Rake**

Gray welded head, gray steel ferrule, and green steel collar

| ITEM NO. | DESCRIPTION |
|---|---|
| OG9121294 | Flat Shovel |
| OG3682010 | Dirt Shovel |

| ITEM NO. | DESCRIPTION |
|---|---|
| OG4576625 | Grain Shovel |
| FRTSB36H | Aluminum Bully Shovel |

| ITEM NO. | DESCRIPTION |
|---|---|
| OG0024257 | Manure Fork |
| OG2284321 | Metal Rake |

### Broom

Dual purpose, split-tip polypropylene fibers. Stiff inner fibers sweep concrete, asphalt and wood with ease. Soft outer fibers sweep away fine dirt and dust. Steel die-cast connector bolted into $1\frac{1}{8}$ in. thick solid hardwood block and steel tee-pee broom brace to secure 60 in. handle, defer stress and balance the load during sweeping. 3 in. bristle.

| ITEM NO. | DESCRIPTION |
|---|---|
| OG2120509 | Broom |

### Wheelbarrow

**FEATURES**

- Poly tray for easy clean-up.
- 16 in. pneumatic tires.
- Capacity of 8 cu-ft.
- Handle dimension of 60 in. L x $1\frac{5}{8}$ in. W x 2 in. H.
- Made of polypropylene copolymer.

| ITEM NO. | DESCRIPTION |
|---|---|
| OG6892905 | 8 Cubic Foot Wheelbarrow |

## Gloves

### Leather Gloves

Split leather palm, leather index finger, leather finger tips, leather knuckle strap and pull, striped cotton back, wing thumb, gunn-cut design and rubberized gauntlet cuff. Ideal for metal fabricating, plant maintenance, lumber or any application where severe wear is present.

### Latex Gloves

String knit polyester/cotton blend with blue latex coated palm and knit wrist.

### Mechanic Gloves

Synthetic leather palm, all-purpose and abrasion resistant, reinforced, double-layer palm, sweat wipe on thumb, padded knuckle protection and adjustable hook and loop closure.

| ITEM NO. | DESCRIPTION |
|---|---|
| OG0042549 | Large Split Leather Palm Gloves |
| OG1578848 | Large Welder Gloves |

| ITEM NO. | DESCRIPTION |
|---|---|
| OG1111210 | Medium Flexigrip Latex Gloves |
| OG7243892 | Large Flexigrip Latex Gloves |

| ITEM NO. | DESCRIPTION |
|---|---|
| OG7283260 | X-Tough Large Gloves |
| OG7283278 | X-Tough XL Gloves |

# FARM AND RANCH SUPPLIES

## Heat Lamp & Bulbs

Features insulated porcelain sockets, heavy-gauge aluminum reflectors and hang-up hooks. Bulb guards snap on the reflector, two-conductor and polarized male plugs. Sturdy clamp with vinyl coated grips hold lamp in place. Used for pig and chicken brooders or as a temporary heat source. 10 in. reflector diameter. 250 W/125 V. UL, cUL listed.

*HTHLC*

*LGHLB250C*

*LGHLB250R*

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| HTHLC | Heat Lamp w/ Clamp |
| LGHLB250C | Clear Heat Lamp Bulb |
| LGHLB250R | Red Heat Lamp Bulb |

## Fence Charger

### *A powerful model designed for today's large pastures.*

Ideal for single or multi-wired high tensile fences. The super energizer 5 does everything a fence controller should do; it just does it better. Super energizer 5 is equipped with a built-in digital performance meter which tells you the exact condition of fence. Shocks through wet weeds and brush. Over 8000 V of holding power with 500 Ohm load. New color-coded fence and ground terminals. Red to the fence and black to ground. The super energizer 5 controls both predators and livestock, including sheep and goats. Fuse protection with built-in lightning arresters.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| OG5197280 | Fence Charger |

## Lubricants

### *PB B'laster*

PB B'laster quickly busts loose rusted or frozen parts caused by rust and corrosion. It also contains a non-evaporating lubricant that saves time and equipment and protects against further rust and corrosion.

### *WD40 Smart Straw*

WD-40 is a multi-use product lubricates moving parts such as hinges, wheels, rollers, chains and gears. It protects against rust and corrosion on items like tools and sporting equipment. It penetrates to free stuck corroded parts like nuts, bolts, valves and locks. It quickly removes adhesives, corrosion and paint. It displaces moisture to restore water flooded equipment such as engines, spark plugs and power tools.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| DIBP | 12 oz. PB B'laster |
| OG0572867 | WD40 Smart Straw 11 oz. |

## Expanding Foam

An all-purpose foam that is ideal for smaller cracks and voids. Use it on both indoor and outdoor applications. It performs in the widest range of temperatures among all Touch 'n Foam products, ranging from 30 to 120 deg F. Fill small gaps in walls, around exhaust vents, plumbing fixtures, baseboards, sill plates and electrical outlet boxes.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| OG5463609 | 12 oz. Expanding Foam |

## Duct Tape

Poly-coated cloth backing with a very aggressive adhesive that bonds to almost any surface. Good conformability. Water and tear resistant.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| OG6183974 | "Fix-It" Duct Tape |

# Boots

*In stock only at our Beaver Springs location, but available for purchase at all three locations.*

## Muck Boots

### Arctic Sport

**FEATURES**

- 100% waterproof
- Fully lined with 5mm neoprene for flexibility
- Fleece lining for warmth
- 2mm thermal foam under the footbed for extra warmth
- Lightweight EVA midsole for added comfort
- Rugged outsole with grip
- Pull-tab for easy on and off

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BOMASB08 | Size 8-Black |
| BOMASB09 | Size 9-Black |
| BOMASB10 | Size 10-Black |
| BOMASB11 | Size 11-Black |
| BOMASB12 | Size 12-Black |
| BOMASB13 | Size 13-Black |

### Chore

**FEATURES**

- 100% waterproof
- Easy to clean rubber overlays
- Steel shank
- Stretch-fit topline binding snugs calf to keep warmth in and cold out
- 5mm NEOPRENE bootie with four-way stretch nylon
- Durable, lightweight rubber outsole

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BOMCHB08 | Size 8-Black |
| BOMCHB09 | Size 9-Black |
| BOMCHB10 | Size 10-Black |
| BOMCHB11 | Size 11-Black |
| BOMCHB12 | Size 12-Black |
| BOMCHB13 | Size 13-Black |

### Edgewater Moss

**FEATURES**

- Stretch-fit topline binding snugs calf to keep warmth in, cold out
- 5mm NEOPRENE bootie with four-way stretch nylon, 100% waterproof, lightweight and flexible
- Seamless, quick-clean rubber overlay
- Self-cleaning outsole wraps the entire perimeter to provide maximum protection and stability on steep terrain
- Shaft Circumference: 16 in.
- Classic bottom mold and fit – tall boot

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BOMEWM08 | Size 8 |
| BOMEWM09 | Size 9 |
| BOMEWM10 | Size 10 |
| BOMEWM11 | Size 11 |
| BOMEWM12 | Size 12 |
| BOMEWM13 | Size 13 |

### Wetland Bark

**FEATURES**

- 100% waterproof
- Fully lined with 5mm neoprene for flexibility
- Breathable air mesh lining
- Calf-high rubber overlay for protection
- Lightweight EVA midsole for added comfort
- Durable, quick cleaning outsole
- Pull-tabs for easy on and off
- Shaft circumference: 17 in.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BOMWEB08 | Size 8 |
| BOMWEB09 | Size 9 |
| BOMWEB10 | Size 10 |
| BOMWEB11 | Size 11 |
| BOMWEB12 | Size 12 |
| BOMWEB13 | Size 13 |

### Woody Max Realtree

**FEATURES**

- 100% waterproof
- 5mm Neoprene bootie
- Warm fleece lining
- Comfort Topline
- 2mm thermal foam under the foot bed
- EVA midsole for added comfort
- Bob-tracker molded outsole
- Update to Realtree Edge™ Camo

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BOMWMR08 | Size 8 |
| BOMWMR09 | Size 9 |
| BOMWMR10 | Size 10 |
| BOMWMR11 | Size 11 |
| BOMWMR12 | Size 12 |
| BOMWMR13 | Size 13 |

## Rubber Boots     *In stock only at our Beaver Springs location, but available for purchase at all three locations.*

### Black Rubber Boots

FEATURES

- 100% waterproof
- CT (comfort technology) offers a unique scalloped top-line design to accommodate flexing
- Unique Trac10™ outsole design enhances slip resistance and stability underfoot
- Contour heel cup molding reduces heel slippage
- Foot form contour insole provides additional comfort
- Sleek and contemporary, the Servus CT knee boot is a great choice for general conditions

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BORB06 | Size 6 |
| BORB07 | Size 7 |
| BORB08 | Size 8 |
| BORB09 | Size 9 |
| BORB10 | Size 10 |
| BORB11 | Size 11 |
| BORB12 | Size 12 |
| BORB13 | Size 13 |

### Green Rubber Boots

FEATURES

- 100% waterproof
- TDT (triple density technology) uses proprietary compound formulations for increased resistance to degradation from many harsh chemicals
- Outsole perimeter is formulated for tough, long-wearing support
- Center sole is dual compounded for cushioning, long wear and traction on slick surfaces
- Compounded for long wear and slip resistance
- Foot form contour insole provides additional comfort
- Reinforced construction at critical stress points provides extended durability
- Higher, wider, kick-off lugs offer easy on/off convenience

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BORG07 | Size 7 |
| BORG08 | Size 8 |
| BORG09 | Size 9 |
| BORG10 | Size 10 |
| BORG11 | Size 11 |
| BORG12 | Size 12 |
| BORG13 | Size 13 |

### XtraTuf Deck Ankle Boots

FEATURES

- Recommend half sizes order up
- 100% waterproof
- Slip-resistant chevron outsole
- XPRESSCOOL™ liner
- Pull-on tabs
- Shaft circumference is 12.6 Inches

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| BOXTDAB09 | Size 9-Black |
| BOXTDAG09 | Size 9-Gray |
| BOXTDAB10 | Size 10-Black |
| BOXTDAG10 | Size 10-Gray |
| BOXTDAB11 | Size 11-Black |
| BOXTDAG11 | Size 11-Gray |
| BOXTDAB12 | Size 12-Black |
| BOXTDAG12 | Size 12-Gray |

# Motors

## WEG Auger Motors

WEG Auger Drive motors are specifically designed for Feed-drive units requiring a reliable and efficient motor. Provided with mechanical protection of centrifugal switch to prevent damage to the motor in case of overspeed, manual thermal overload protection and two bolts mounting NEMA "N" flange.

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MTWA050 | ½ HP Weg Auger Motor |
| MTWA075 | ¾ HP Weg Auger Motor |
| MTWA100 | 1 HP Weg Auger Motor |

# Motors

## Leeson

### C-Face Motors



| ITEM NO. | DESCRIPTION |
|---|---|
| FDPIDD60M1 | 1 HP Leeson Farm Duty C-Face Motor - Used for Val-Co 60 FPM Feeder Drive |
| FDPIDD90M1.5 | 1½ HP Leeson Farm Duty C-Face Motor - Used for Val-Co 60 FPM Feeder Drive |

### Rod Conveyor Motor



| ITEM NO. | DESCRIPTION |
|---|---|
| MTDSRC | ½ HP 41 RPM Gearmotor |

### Auger Motor



| ITEM NO. | DESCRIPTION |
|---|---|
| MTLA050 | ½ HP Leeson Auger Motor |
| MTLA075 | ¾ HP Leeson Auger Motor |
| MTLA100 | 1 HP Leeson Auger Motor |

## *Heavy-Duty Single Phase Hi-Torque Motors are designed specifically for severe "Farm Duty" applications.*

The motors have double sealed ball bearings prelubricated with Exxon POLYREX® EM Grease which has an operating temperature range of -20° F to +350° F and a special formulation to provide extra bearing protection. These Lesson® Motors are single Phase, 60 Hertz.

### ADDITIONAL FEATURES/ADVANTAGES

- Gasketed Capacitor Housing and Conduit Boxes
- Copper Windings and Varnish
- Manual Overload Protection
- Totally Enclosed Fan Cooled
- Double Shielded Ball Bearings
- Rubber Boot Over Manual Reset for Weather Protection
- Capacitor Start
- Service Factor 1.15
- High Starting Torque
- 1725 RPM

### Farm Duty Motors



| ITEM NO. | DESCRIPTION |
|---|---|
| MTLFD033 | ⅓ HP Leeson Farm Duty Motor – ½" Shaft |
| MTLFD050 | ½ HP Leeson Farm Duty Motor - ⅝" Shaft |
| MTLFD075 | ¾ HP Leeson Farm Duty Motor - ⅝" Shaft |
| MTLFD100 | 1 HP Leeson Farm Duty Motor - ⅝" Shaft |
| MTLFD150 | 1½ HP Leeson Farm Duty Motor - ⅝" Shaft |
| MTLFD200 | 2 HP Leeson Farm Duty Motor - ⅞" Shaft |

| ITEM NO. | DESCRIPTION |
|---|---|
| MTLFD300 | 3 HP Leeson Farm Duty Motor - Extra High Torque 1⅛" Shaft |
| MTLFD500 | 5 HP Leeson Farm Duty Motor - Extra High Torque 1⅛" Shaft |
| MTLFD750 | 7.5 HP Leeson Farm Duty Motor - Extra High Torque 1⅛" Shaft |
| MTLFD999 | 10 HP Leeson Farm Duty Motor - Extra High Torque 1⅛" Shaft |

## Aerotech

### Fan Motors



**Munters** Your Perfect Climate

### Pit Fan Motors



| ITEM NO. | DESCRIPTION | VENDOR NO. |
|----------|-------------|------------|
| MTAFM181725 | ⅛ HP 1625 RPM Aerotech Fan Motor | FM1010 |
| MTAFM141625 | ¼ HP 1625 RPM Aerotech Fan Motor | FM1043 |
| MTAFM131075 | ⅓ HP 1075 RPM Aerotech Fan Motor | FM1008 |
| MTAFM131625 | ⅓ HP 1625 RPM Aerotech Fan Motor | FM1009 |
| MTAFM12825SS | ½ HP 825 RPM/SS Aerotech Fan Motor – Single Speed | FM1048 |
| MTAFM12850VS | ½ HP 850 RPM/VS Aerotech Fan Motor - Variable Speed | FM1011 |
| MTAFM121725 | ½ HP 1725 RPM Aerotech Fan Motor | FM1022 |
| MTAFM1850 | 1 HP 850 RPM Aerotech Fan Motor - Single Phase | FM1057 |
| MTAFM11725 | 1 HP 1725 RPM Aerotech Fan Motor - Single Phase | FM1024 |
| MTAFM21725 | 2 HP 1725 RPM Aerotech Fan Motor | FM1059 |
| MTAFM1217253P | ½ HP 1725 RPM Aerotech Fan Motor - 3 Phase | FM1027 |
| MTAFM117253P | 1 HP 1725 RPM Aerotech Fan Motor  - 3 Phase | FM1029 |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MTAFMP163350120 | 120V Aerotech Pit Fan Motor |
| MTAFMP163350240 | 240V Aerotech Pit Fan Motor |

### Fan Motors
1725 RPM

**marathon™** Motors



### Fan Motors

**LEESON®**



| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MTMF05030 | ½ HP Marathon Fan Motor 1.3 SF |
| MTMF10030 | 1 HP Marathon Fan Motor 1.3 SF |
| MTF112172556 | 1½ HP Marathon Fan Motor |

| ITEM NO. | DESCRIPTION |
|----------|-------------|
| MTLF0500850 | ½ HP 850 RPM Leeson Fan Motor with ⅝" Shaft |

# Belts & Pulleys

## 4L Series

| ITEM NO. | DESCRIPTION |
|---|---|
| VB4L200 | 4L200 20" V Belt |
| VB4L210 | 4L210 21" V Belt |
| VB4L220 | 4L220 22" V Belt |
| VB4L230 | 4L230 23" V Belt |
| VB4L240 | 4L240 24" V Belt |
| VB4L250 | 4L250 25" V Belt |
| VB4L260 | 4L260 26" V Belt |
| VB4L420 | 4L420 42" V Belt |
| VB4L430 | 4L430 43" V Belt |
| VB4L440 | 4L440 44" V Belt |
| VB4L450 | 4L450 45" V Belt |
| VB4L460 | 4L460 46" V Belt |
| VB4L470 | 4L470 47" V Belt – Used for 36" Galvanized Fan |
| VB4L480 | 4L480 48" V Belt - Used for 48" Galvanized Fan & 36" Fiberglass Fan |
| VB4L490 | 4L490 49" V Belt |
| VB4L5000 | 4L500 50" V Belt – Used for 54" Galvanized Fan & 50" Fiberglass Fan |
| VB4L510 | 4L510 51" V Belt |
| VB4L520 | 4L520 52" V Belt |
| VB4L530 | 4L530 53" V Belt |
| VB4L540 | 4L540 54" V Belt – Used for 54" Fiberglass Fan |
| VB4L550 | 4L550 55" V Belt |
| VB4L700 | 4L700 70" V Belt |

## 5L Series

| ITEM NO. | DESCRIPTION |
|---|---|
| VB5L230 | 5L230 23" V Belt |
| VB5L240 | 5L240 24" V Belt |
| VB5L250 | 5L250 25" V Belt |
| VB5L260 | 5L260 26" V Belt |
| VB5L270 | 5L270 27" V Belt |
| VB5L280 | 5L280 28" V Belt |
| VB5L290 | 5L290 29" V Belt |
| VB5L300 | 5L300 30" V Belt |

## A Series

| ITEM NO. | DESCRIPTION |
|---|---|
| VBA25 | A25 27" V Belt |
| VBA26 | A26 28" V Belt |
| VBA27 | A27 29" V Belt |
| VBA28 | A28 30" V Belt |
| VBA29 | A29 31" V Belt |
| VBA30 | A30 32" V Belt |
| VBA31 | A31 33" V Belt |
| VBA32 | A32 34" V Belt |
| VBA33 | A33 35" V Belt |
| VBA34 | A34 36" V Belt |
| VBA35 | A35 37" V Belt |
| VBA36 | A36 38" V Belt |
| VBA37 | A37 39" V Belt |
| VBA38 | A38 40" V Belt |
| VBA39 | A39 41" V Belt |
| VBA40 | A40 42" V Belt |
| VBA41 | A41 43" V Belt |
| VBA42 | A42 44" V Belt |
| VBA43 | A43 45" V Belt |
| VBA44 | A44 46" V Belt |
| VBA45 | A45 47" V Belt |
| VBA46 | A46 48" V Belt |
| VBA47 | A47 49" V Belt |
| VBA48 | A48 50" V Belt |
| VBA49 | A49 51" V Belt |
| VBA50 | A50 52" V Belt |
| VBA51 | A51 53" V Belt |
| VBA52 | A52 54" V Belt |
| VBA53 | A53 55" V Belt |
| VBA54 | A54 56" V Belt |
| VBA55 | A55 57" V Belt |
| VBA56 | A56 58" V Belt |
| VBA57 | A57 59" V Belt |
| VBA58 | A58 60" V Belt |
| VBA59 | A59 61" V Belt |
| VBA60 | A60 62" V Belt |
| VBA61 | A61 63" V Belt |
| VBA62 | A62 64" V Belt |
| VBA63 | A63 65" V Belt |
| VBA64 | A64 66" V Belt |
| VBA65 | A65 67" V Belt |
| VBA66 | A66 68" V Belt |
| VBA67 | A67 69" V Belt |
| VBA68 | A68 70" V Belt |
| VBA69 | A69 71" V Belt |

## B Series

| ITEM NO. | DESCRIPTION |
|---|---|
| VBB28 | B28 31" V Belt |
| VBB29 | B29 32" V Belt |
| VBB30 | B30 33" V Belt |
| VBB31 | B31 34" V Belt |
| VBB32 | B32 35" V Belt |
| VBB33 | B33 36" V Belt |
| VBB34 | B34 37" V Belt |
| VBB35 | B35 38" V Belt |
| VBB36 | B36 39" V Belt |
| VBB37 | B37 40" V Belt |
| VBB38 | B38 41" V Belt |
| VBB39 | B39 42" V Belt |
| VBB40 | B40 43" V Belt |
| VBB41 | B41 44" V Belt |
| VBB42 | B42 45" V Belt |
| VBB43 | B43 46" V Belt |
| VBB44 | B44 47" V Belt |
| VBB45 | B45 48" V Belt |
| VBB46 | B46 49" V Belt |
| VBB47 | B47 50" V Belt |
| VBB48 | B48 51" V Belt |
| VBB49 | B49 52" V Belt |
| VBB50 | B50 53" V Belt |
| VBB51 | B51 54" V Belt |
| VBB52 | B52 55" V Belt |
| VBB53 | B53 55" V Belt |
| VBB54 | B54 57" V Belt |
| VBB55 | B55 58" V Belt |
| VBB56 | B56 59" V Belt |
| VBB57 | B57 60" V Belt |
| VBB58 | B58 61" V Belt |
| VBB59 | B59 62" V Belt |
| VBB60 | B60 63" V Belt |
| VBB61 | B61 64" V Belt |
| VBB62 | B62 65" V Belt |
| VBB63 | B63 66" V Belt |
| VBB64 | B64 67" V Belt |
| VBB65 | B65 68" V Belt |
| VBB66 | B66 69" V Belt |
| VBB67 | B67 70" V Belt |
| VBB68 | B68 71" V Belt |
| VBB69 | B69 72" V Belt |
| VBB70 | B70 73" V Belt |
| VBB71 | B71 74" V Belt |
| VBB98 | B98 101" V Belt |

## Cogged Belts

| ITEM NO. | DESCRIPTION |
|---|---|
| VBAX40 | AX40 42.3" Cogged V Belt |
| VBAX41 | AX41 43.3" Cogged V Belt |
| VBAX42 | AX42 44.3" Cogged V Belt |
| VBAX43 | AX43 45.3" Cogged V Belt |
| VBAX44 | AX44 46.3" Cogged V Belt |
| VBAX45 | AX45 47.3" Cogged V Belt - Used for 36" Galvanized Fan |
| VBAX46 | AX46 48.3" Cogged V Belt - Used for 48" Galvanized Fan & 36" Fiberglass Fan |
| VBAX47 | AX47 49.3" Cogged V Belt |
| VBAX48 | AX48 50.3" Cogged V Belt - Used for 54" Galvanized Fan & 50" Fiberglass Fan |
| VBAX49 | AX49 51.3" Cogged V Belt |
| VBAX50 | AX50 52.3" Cogged V Belt |
| VBAX51 | AX51 53.3" Cogged V Belt |
| VBAX52 | AX52 54" Cogged V Belt - Used for 54" Fiberglass Fan |
| VBAX53 | AX53 55.3" Cogged V Belt |

## Power Twist Belt

| ITEM NO. | DESCRIPTION |
|---|---|
| VBAPTB | A Link Belt – Red – Sold per Foot |
| VBBPTB | B Link Belt - Green - Sold per Foot |

## Pulleys

### Aluminum Pulleys

| ITEM NO. | DESCRIPTION |
|---|---|
| VAA8006 | 8" x ⅝" Aluminum Pulley |
| VAA8007 | 8" x ¾" Aluminum Pulley |
| VAA801 | 8" x 1" Aluminum Pulley |
| VAA9007 | 9" x ¾" Aluminum Pulley |
| VAA901 | 9" x 1" Aluminum Pulley |
| VAA10007 | 10" x ¾" Aluminum Pulley |
| VAA101 | 10" x 1" Aluminum Pulley |
| VAA12006 | 12" x ⅝" Aluminum Pulley |
| VAA1410 | 14" x 1" Aluminum Pulley |

### Plastic Pulleys

| ITEM NO. | DESCRIPTION |
|---|---|
| VAP801 | 8.25" x 1" Plastic Pulley – used on 36" Val-Co Hypermax Fan |
| VAP901 | 9.25" x 1" Plastic Pulley – used on 48" Val-Co Hypermax Fan |
| VAP101 | 10.25" x 1" Plastic Pulley - used on 54" Val-Co Hypermax Fan |

## AK Series Pulleys

### Single Pulleys

| ITEM NO. | DESCRIPTION |
|---|---|
| **⅝" Bore** | |
| VAK2010 | A Pulley 2" x ⅝" Bore |
| VAK2510 | A Pulley 2.5" x ⅝" Bore |
| VAK3010 | A Pulley 3.05" x ⅝" Bore |
| VAK3210 | A Pulley 3.25" x ⅝" Bore |
| VAK3410 | A Pulley 3.45" x ⅝" Bore |
| VAK3910 | A Pulley 3.75" x ⅝" Bore |
| VAK4110 | A Pulley 3.95" x ⅝" Bore |
| VAK4610 | A Pulley 4.45" x ⅝" Bore |
| VAK5110 | A Pulley 4.95" x ⅝" Bore |
| **⅞" Bore** | |
| VAK2514 | A Pulley 2.5" x ⅞" Bore |
| VAK3014 | A Pulley 3.05" x ⅞" Bore |
| VAK3214 | A Pulley 3.25" x ⅞" Bore |
| VAK3414 | A Pulley 3.45" x ⅞" Bore |
| VAK3914 | A Pulley 3.75" x ⅞" Bore |
| VAK4114 | A Pulley 3.95" x ⅞" Bore |
| VAK4614 | A Pulley 4.45" x ⅞" Bore |
| VAL5114 | A Pulley 4.95" x ⅞" Bore |

### Double Pulleys

| ITEM NO. | DESCRIPTION |
|---|---|
| **⅝" Bore** | |
| VAKD2310 | Double A Pulley 2.3" x ⅝" Bore |
| VAKD2510 | Double A Pulley 2.5" x ⅝" Bore |
| VAKD3010 | Double A Pulley 3.05" x ⅝" Bore |
| VAKD3410 | Double A Pulley 3.45" x ⅝" Bore |
| VAKD4110 | Double A Pulley 3.95" x ⅝" Bore |
| **⅞" Bore** | |
| VAKD2314 | Double A Pulley 2.3" x ⅞" Bore |
| VAKD2514 | Double A Pulley 2.5" x ⅞" Bore |
| VAKD3014 | Double A Pulley 3.05" x ⅞" Bore |
| VAKD3414 | Double A Pulley 3.45" x ⅞" Bore |
| VAKD4114 | Double A Pulley 3.95" x ⅞" Bore |

## BK Series Pulleys

**Single Pulleys**

### ⅝" Bore

| ITEM NO. | DESCRIPTION |
|---|---|
| VBK2510 | B Pulley 2.5" x ⅝" Bore |
| VBK3010 | B Pulley 3.15" x ⅝" Bore |
| VBK3410 | B Pulley 3.55" x ⅝" Bore |
| VBK4010 | B Pulley 3.95" x ⅝" Bore |
| VBK4510 | B Pulley 4.25" x ⅝" Bore |

### ⅞" Bore

| ITEM NO. | DESCRIPTION |
|---|---|
| VBK2514 | B Pulley 2.5" x ⅞" Bore |
| VBK3014 | B Pulley 3.15" x ⅞" Bore |
| VBK3414 | B Pulley 3.55" x ⅞" Bore |
| VBK4014 | B Pulley 3.95" x ⅞" Bore |
| VBK4514 | B Pulley 4.25" x ⅞" Bore |

**Double Pulleys**

### ⅝" Bore

| ITEM NO. | DESCRIPTION |
|---|---|
| VBKD3010 | Double B Pulley 3.15" x ⅝" Bore |
| VBKD3410 | Double B Pulley 3.55" x ⅝" Bore |
| VBKD4010 | Double B Pulley 3.95" x ⅝" Bore |

### ⅞" Bore

| ITEM NO. | DESCRIPTION |
|---|---|
| VBKD3014 | Double B Pulley 3.15" x ⅞" Bore |
| VBKD3414 | Double B Pulley 3.55 x ⅞" Bore |
| VBKD4014 | Double B Pulley 3.95" x ⅞" Bore |

# Bearings & Flanges

## Pillow Block Bearings

Greasable

| ITEM NO. | DESCRIPTION |
|---|---|
| BRPB8G | ½" Pillow Block Bearing |
| BRPB10G | ⅝" Pillow Block Bearing |
| BRPB12G | ¾" Pillow Block Bearing |
| BRPB14G | ⅞" Pillow Block Bearing |
| BRPB16GFYH | 1" Pillow Block Bearing – Used for Val-Co Belt Drive Fans |

## Flange Bearings

Greasable

*2 Bolt*

*4 Bolt*

| ITEM NO. | DESCRIPTION |
|---|---|
| **2 Bolt** | |
| BRF28G | ½" 2 Bolt Flange Bearing |
| BRF210G | ⅝" 2 Bolt Flange Bearing |
| BRF212G | ¾" 2 Bolt Flange Bearing |
| BRF216G | 1" 2 Bolt Flange Bearing |
| **4 Bolt** | |
| BRF410G | ⅝" 4 Bolt Flange Bearing |
| BRF412G | ¾" 4 Bolt Flange Bearing |
| BRF414G | ⅞" 4 Bolt Flange Bearing |
| BRF416G | 1" 4 Bolt Flange Bearing |

## Bearing Inserts

Bearing inserts are pregreased unless noted otherwise

*Beveled*          *Flat*

| ITEM NO. | DESCRIPTION |
|---|---|
| **Beveled OD** | |
| BRI8 | ½" Bearing Insert |
| BRI10 | ⅝" Bearing Insert |
| BRI12 | ¾" Bearing Insert |
| BRI14 | ⅞" Bearing Insert |
| BRI16 | 1" Bearing Insert |
| BRI16G | 1" Bearing Insert- Greasable |
| **Flat OD** | |
| BRI8F | ½" Bearing Insert |
| BRI10F | ⅝" Bearing Insert |
| BRI12F | ¾" Bearing Insert |
| BRI14F | ⅞" Bearing Insert |
| BRI16F | 1" Bearing Insert |

## Rubber Bearing Grommets

| ITEM NO. | DESCRIPTION |
|---|---|
| BRPBFRG40 | 40mm Rubber Grommet – Fits 201 & 202 Bearings |
| BRPBFRG47 | 47mm Rubber Grommet – Fits 204 Bearings |
| BRPBFRG52 | 52mm Rubber Grommet – Fits 205 Bearings |

## Flanges

### Pillow Block Flanges

| ITEM NO. | DESCRIPTION |
|---|---|
| BRPBFH47 | 47mm Pillow Block Flange – Used with 40mm grommet |
| BRPBFH52 | 52mm Pillow Block Flange – Used with 47mm grommet |
| BRPBFH62 | 62mm Pillow Block Flange – Used with 52mm grommet |

### Flanges

| ITEM NO. | DESCRIPTION |
|---|---|
| *2 Hole Flanges* | |
| BRFL240 | 40mm 2 Bolt Bearing Flange – Fits 201 & 202 Bearings |
| BRFL247 | 47mm 2 Bolt Bearing Flange – Fits 204 Bearings |
| BRFL252 | 52mm 2 Bolt Bearing Flange – Fits 205 Bearings |
| BRFL262 | 62mm 2 Bolt Bearing Flange – Fits 206 Bearing |
| *3 Hole Triangular Flanges* | |
| BRFLT40 | 40mm 3 Bolt Bearing Flange – Fits 201 & 202 Bearings |
| BRFLT47 | 47mm 3 Bolt Bearing Flange – Fits 204 Bearings |
| BRFLT52 | 52mm 3 Bolt Bearing Flange – Fits 205 Bearings |
| BRFLT62 | 62mm 3 Bolt Bearing Flange – Fits 206 Bearing |

# Sprockets & Chain

## Sprockets

| ITEM NO. | DESCRIPTION |
|---|---|
| *#40 x ⅝" Bore* | |
| SP402006 | 40 Sprocket 20 Tooth ⅝" Bore |
| SP401406 | 40 Sprocket 14 Tooth ⅝" Bore |
| *#40 x ¾" Bore* | |
| SP401207 | 40 Sprocket 12 Tooth ¾" Bore |
| SP401408 | 40 Sprocket 14 Tooth ¾" Bore |
| SP401607 | 40 Sprocket 16 Tooth ¾" Bore |
| *#50 x ¾" Bore* | |
| SP501007 | 50 Sprocket 10 Tooth ¾" Bore |

## Shaft Collars

| ITEM NO. | DESCRIPTION |
|---|---|
| SHC316 | ³⁄₁₆" Shaft Collar |
| SHC1/4 | ¼" Shaft Collar |
| SHC1/2 | ½" Shaft Collar |
| SHC10 | ⅝" Shaft Collar |
| SHC12 | ¾" Shaft Collar |
| SHC14 | ⅞" Shaft Collar |
| SHC16 | 1" Shaft Collar |
| SHC112 | 1½" Shaft Collar |

## Roller Chain          Price is per ft.

| ITEM NO. | DESCRIPTION |
|---|---|
| SP35RLFT | #35 Roller Chain |
| SP41RLFT | #41 Roller Chain |
| SP40RLFT | #40 Roller Chain |
| SP50RLFT | #50 Roller Chain |
| SP60RLFT | #60 Roller Chain |

## Connector Links

| ITEM NO. | DESCRIPTION |
|---|---|
| SP35CL | #35 Connector Link |
| SP41CL | #41 Connector Link |
| SP40CL | #40 Connector Link |
| SP50CL | #50 Connector Link |
| SP60CL | #60 Connector Link |

## Off Links

| ITEM NO. | DESCRIPTION |
|---|---|
| SP35OL | #35 Off Link |
| SP41OL | #41 Off Link |
| SP40OL | #40 Off Link |
| SP50OL | #50 Off Link |
| SP60OL | #60 Off Link |

# Zeiset Equipment Bio-security Policy

## Service Techs Working in Barns with Livestock, Poultry or Swine

1. A clean pair of coveralls, cap and boots before entering a barn.

2. Thoroughly wash and disinfect boots after leaving the barn.

3. Disinfect tools and any parts from the farm that may be returning to the warehouse.

4. When arriving and leaving the farm spray truck tires with disinfectant.

## For Service Techs and All Crew Members

1. Keep trucks clean inside and out. (Wash and disinfect floor mats regularly.)

2. Disinfect tires when leaving the warehouse in the morning.

3. Use dip pans when entering the warehouse (always when returning from any farm).

4. Observe all bio-security measures being asked by the farmer and the flock supervisors.

5. **Above all, use wise judgment, and all measures of precaution that you would want exercised if it was your investment at risk!**

Thank you,

*Zeiset Equipment*

# Zeiset Sanitation Protocol and Charges Policy

**Due to the increasing frequency of the need for precautionary measures that need to be taken for the transmission of disease and living vectors, we have created the following policy.**

It is necessary for service managers and farm managers to communicate effectively about the disease or living vectors that are on a farm. This will allow us as a company to better schedule our work, and save customers money. One of the major challenges along with "normal" livestock disease is the emergence of bed bugs in poultry facilities. We are sensitive to the cost and financial loss that can be incurred if these bugs are transferred between farms or even to the homes of our employees. We take seriously our role in protecting our farmers' investments and the homes of our employees.

**Any employee that enters a facility that is infected with disease or a transferable vector must follow the following protocol.**

- If there is a known infection on a farm, minimize the items taken to the barn, also park 100 feet or more from the barn.

- Any tools or vehicles that have been present on the infected farm must be properly sanitized or fumigated prior to moving to any other location.

- This will vary depending on the disease or vector.

- There should be no shortcuts taken in eliminating these diseases or vectors.

- The employee must shower and properly clean (wash and machine dry) or dispose of their contaminated clothing prior to moving to another facility.

**For The Customer**

- Customers will be charged for the time needed to properly disinfect and fumigate.

- There will be a $75 sanitation fee applied any time we need to follow special sanitation procedures that go beyond our normal biosecurity plan.

- If a farmer is aware of infection and fails to notify us before arrival, the farmer is liable for cleanup / extermination costs incurred.

- Labor will be charged at a higher rate for infected farms.

Thanks for your cooperation on this matter.

*Zeiset Equipment*

Zeiset Equipment, LLC
2187 N Penryn Rd,
Manheim, PA 17545

# Your source for...

## Parts

- Poultry building and equipment parts
- Search online at **ZeisetEquip.com**

## Installation

- For poultry, hog, hobby farms, and more
- Remodel or turn-key projects
- Installation crews provided!

## Service

- 24-hour service to your farm
- Poultry / hog farm equipment
- Biosecurity to protect livestock

### MANHEIM

2187 N Penryn Rd, Manheim, PA 17545
**Hours:** Monday – Friday 7 am – 5 pm
**Phone:** 717-665-4056
**Fax:** 717-665-2240
**24/7 Emergency Service: 717-989-4409**
**Email:** info@zeisetequip.com

### BEAVER SPRINGS

22350 Rt. 522, Beaver Springs, PA 17812
**Hours:** Monday – Friday 6:30 am – 6 pm
Saturday 7:30 am – 3:00 pm
**Phone:** 570-922-4926
**Fax:** 717-665-2240
**24/7 Emergency Service: 717-989-4409**
**Email:** info@zeisetequip.com

### WEST VIRGINIA

136 Beans Lane, Moorefield, WV 26836
**Hours:** Monday – Friday 8 am – 5pm
**Phone:** 304-503-7895
**Email:** info@zeisetequip.com

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