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## SECTION 05 CHAIN DISK FEEDING SYSTEM

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## HOW TO ORDER A CHAIN DISK FEED DELIVERY SYSTEM

### SYSTEM GUIDELINES

- Determine effective length of the chain disk feed delivery system:
  - + Total Feet of Chain Disk
  - + 25 Feet Per Corner
  - = Effective Length of System

Chain Disk Tube	Max. # Corners	Max. Chain (ft)	Max. Effective Length (ft)	Max. Daily Run Time (min)	Flexible Auger System Flow Rate (lbs/min)	Effective Length (ft)	Chain Disk Capacity (lbs/min)
2.36" OD PVC Tube	24	900 (4 Corners)	1000	120	35	100-1000	35
2.37" OD Steel	24	1700 (4 Corners)	1800	240	35	100-1500	35
					30	1500-1800	30

#### 1. ORDER DRIVE UNIT

- Select drive unit from page 05-03
- Include suspension kit or wall mount kit if required

#### 2. ORDER A FEED INPUT CONFIGURATION

- Select fill hopper or line transfer from page 05-04
- If fill hopper is selected, choose a discharge head or other adapter options

#### 3. ORDER CORNERS

#### 4. ORDER CHAIN DISK

- Chain disk is available in 147.6 foot (45M) lengths as shown on page 05-05.
- Include additional 20 feet of chain for the drive unit.
- Include chain connector links.

#### 5. ORDER TUBES

- Select tubes from page 05-06 as needed to meet required length - include extra lengths as tubes might have to be cut to accommodate drops & other components.
- Include lengths of PVC Clear Tube - sections of this clear tube will be included at various points throughout the system for feed inspection & if a tube mounted sensor is used.
- If using PVC tube, be sure to order 1 PVC tube splice per tube and PVC cement.
- If using steel tube, be sure to order 1 steel tube coupler per tube

#### 6. ORDER TUBE HANGING COMPONENTS

- PVC tubing must be supported every 4 feet or less.
- Steel tubing must be supported every 8 feet or less.

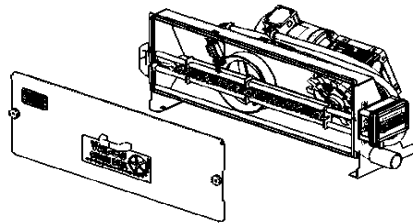
#### 7. ORDER DROP OUTLETS & DOWNSPOUTS

- Order drop outlets, downspouts, & accessories as needed from page 05-07.
- If volume drops are required, order separately from catalog section 06 (Be sure to include drop winching).

#### 8. ORDER CONTROL UNIT, TIMERS & SENSORS

- Select and order Control Unit & Accessories as needed from page 05-08.

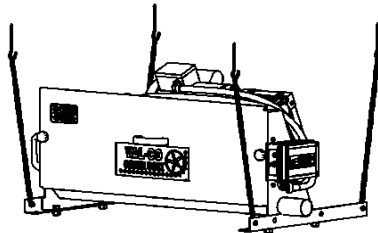
## CHAIN DISK FEED SYSTEM DRIVE UNITS & SUSPENSION KITS



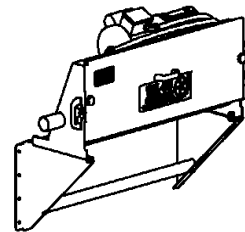
780160 (1 phase motor)  
 780162 (3 phase motor)  
 Drive is fully assembled and  
 motor is pre-wired

### DRIVE UNIT

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780160	Drive Unit - Single Phase Motor: 2HP, 208-230VAC, 60HZ, 1PH	211.0	95.7	
780162	Drive Unit - Three Phase Motor: 2HP, 230/460V 60HZ, 190/380V 50HZ 3PH	211.0	95.7	



780310  
 (Drive unit not included)



780300  
 (Drive unit not included)

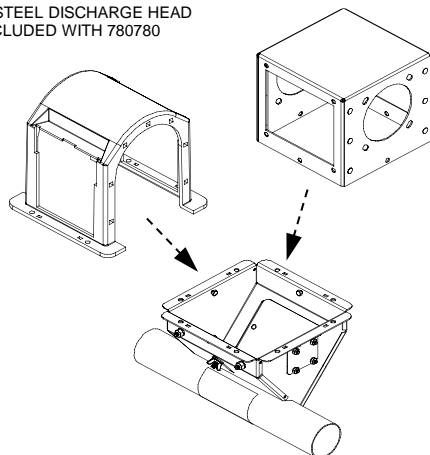
### DRIVE UNIT SUSPENSION KITS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780310	Drive Unit Suspension Kit - Includes support rails, chain, and hardware	15.0	6.8	
780300	Drive Unit Wall Mount Kit - Includes brackets & hardware for drive assembly - Hardware to attach to wall is not included	10.5	4.7	

## CHAIN DISK FEED SYSTEM

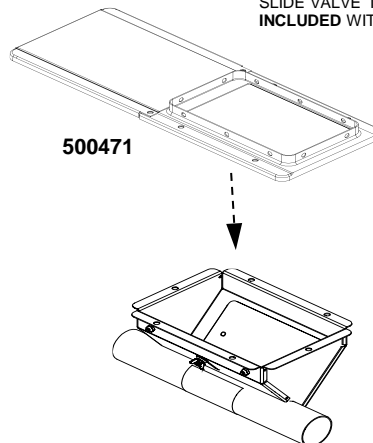
### FILL HOPPERS, HOPPER ADAPTERS & LINE TRANSFER

POLY OR STEEL DISCHARGE HEAD  
IS NOT INCLUDED WITH 780780



780780

SLIDE VALVE IS NOT  
INCLUDED WITH 780260



780260

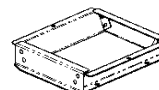
#### FILL HOPPERS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780780	Fill Hopper - Discharge Head - No adapter needed to attach discharge heads - See catalog pages 04-14 through 04-18 for discharge head kit selections	11.0	5.0	
780260	Fill Hopper - Bin Boot - Use under bulk feed bins	8.8	4.0	

WARNING: ALL CHAIN DISK SYSTEMS ARE SUSCEPTIBLE TO DAMAGE DUE TO FROZEN OR HARDENED FEED.



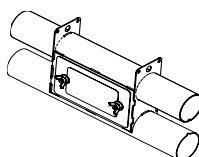
780795



730375

#### HOPPER ADAPTERS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
500471	Bin Boot Slide Valve - Single Plate	5.8	2.6	
780795	Plate, Fill Hopper Adaptor for 3.5" All Out Drop (See 05-07) - Attaches to the 780780 Fill Hopper	0.9	0.4	
730375	Adapter, Fill Hopper to Feed Hoppers - Attaches to 780260 Fill Hopper - See catalog page 15-06 for 100 & 200 LB Hoppers	2.6	1.2	

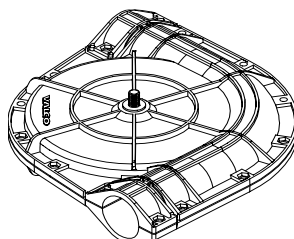


780170

#### LINE TRANSFER

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780170	Line-to-Line Transfer Unit - Used from chain disk line to chain disk line	5.2	2.4	

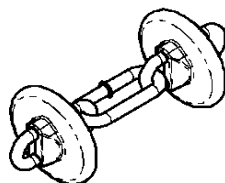
## CHAIN DISK FEED SYSTEM 90° CORNER & CHAIN DISK



780090

### CORNER

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780090	ClearFlo 90° Corner Assembly with self-cleaning Wheel - works with steel or pvc tubes	12.1	5.5	



780068  
150' per Bag



780072  
780073

### CHAIN & DISK

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780068	Bag of 147.6' (45m) - 46mm Chain & Disk	55.0	24.9	
780072	Chain Connector Link (QTY 1) - For 780068 Chain	0.1	0.02	
780073	Chain Connector Link (QTY 12) - For 780068 Chain	0.6	0.27	

## CHAIN DISK FEED SYSTEM TUBES & HANGERS

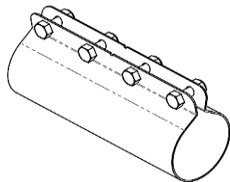
### PVC TUBES

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780600	White PVC Tube - 2.36" x 10' (60mm x 3m)	5.0	2.3	
780610	Clear PVC Tube - 2.36" x 10' (60mm x 3m)	4.3	1.9	
780601	PVC Tube Splice - 2.36"/60mm (White Only)	0.3	0.1	
730415	PVC Cement - 1/2 Pint	1.0	0.5	
VG125-QT	PVC Cement - Quart	2.0	0.9	

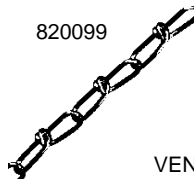
### STEEL TUBES

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
775030	Steel Tube, 2.37" OD x 10 ft. long, G90	12.3	5.6	
775129	Steel Tube, 2.37" OD x 20 ft. long, G90	24.5	11.1	
780081	Stainless Steel Tube, 2.37" OD x 10 ft. long, G90	16.4	7.4	
780039	Stainless Steel Tube, 2.37" OD x 20 ft. long, G90	8.1	3.7	
775130	Steel Tube Coupler, Galvanized, Per Piece	1.0	0.5	
775026	Steel Tube Coupler, Galvanized, Carton of 15	15.5	7.0	
775201	Stainless Steel Tube Coupler, SS, Per Piece	1.1	0.5	
775202	Stainless Steel Tube Coupler, SS, Carton of 15	15.7	7.1	

Steel Tube Coupler



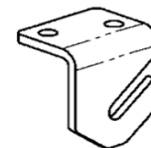
820099



VEN91504C ..... 5/16" x 3 1/2"  
713441 ..... 5/16" x 5"



820055 (50/box)



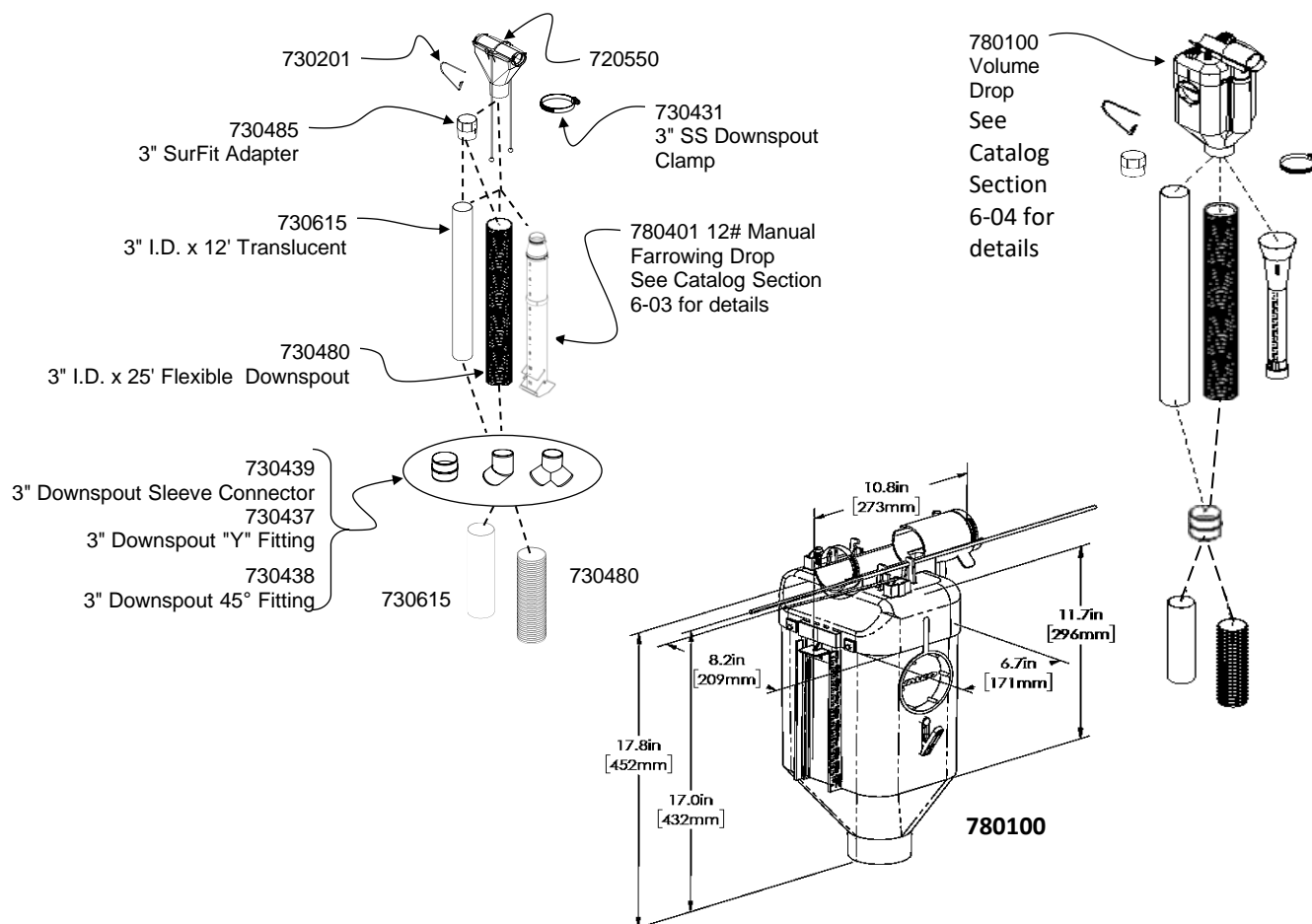
VEN91507C

### TUBE HANGING

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
720220	Tube Hanger - Galvanized	0.3	0.14	
820099	#2 Double Loop Hanger Chain per ft	0.17	0.08	
VEN91504C	5/16" x 3 1/2" Screw Hook	0.1	0.05	
713441	5/16" x 5" Screw Hook	0.1	0.05	
820055	Ceiling Bracket and Hardware for steel trusses - 50/box	8.7	3.95	
VEN91507C	S Hook - 1/4" x 2 1/4"	0.1	0.03	

## CHAIN DISK FEED SYSTEM DROP OUTLETS & DOWNSPOUT TUBES

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780100	SURE-DROP Volume Drop With Mounting Hardware - 6.75lbs For Model 720 2.25" Systems & Chain Disk Systems	3.5	1.6	
780200	SURE-DROP End Control Drop With Mounting Hardware, Proximity Sensor, Switch Mount and Relay For Model 720 2.25" Fill Systems Only	10.1	4.6	
780220	D15 Volume Drop - 8.4- lbs. Fits on 720 and Chain Disk Tube. Mounting Clamps not Included	1.0	0.5	
720550	2.25"-2.36" All-Out Poly Drop With Shutoff; fits Model 720 2.25" Fill Systems and 60mm Chain Disk Systems	1.3	0.6	
720555	Carton of (10) 720550 2.25"-2.36" All-Out Poly Drops	9.0	4.1	
730615	3" I.D. x 12' Translucent Plastic Downspout Tube; connect to 720550 with (1) 730485 and (1) 730201 for a snug fit or (1) 730201 for a looser fit	3.0	1.4	
730480	3" I.D. x 25' Flexible PVC Downspout Tube; connect to 720550 with (1) 730485 and (1) 730431 for a snug fit or (1) 730431 for a looser fit	14.8	6.7	
730289	3.2" I.D. x 12' Downspout Pipe; fits over 730615; connect with (1) 730201	4.0	1.8	
730201	Drop Tube Wire Clip	0.1	0.0	
730431	3" Stainless Steel Downspout Clamp	0.1	0.0	
730485	3" Downspout SurFit Adapter; connect to 720550 with (1) 730201	0.1	0.0	
730439	3" Downspout Sleeve Connector; connects to 730615/730480 with (1) 730201/730431	0.1	0.0	
730438	3" Downspout 45° Angle Sleeve Connector; connects to 730615/730480 with (1) 730201/730431	0.2	0.1	
730437	3" Downspout Y Fitting Sleeve Connector; connects to 730615/730480 with (1) 730201/730431	0.4	0.2	
780401	SURE-DROP 12# Manual Farrowing Tube Drop connects to 720550 All-Out Drop with (1) 730431 SS clamp (req'd)	4.3	2.0	



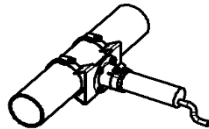
## CHAIN DISK FEED SYSTEM CONTROLS, TIMERS & SENSORS

### CONTROLS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
C805	Chain Disk Control (1 drive) 220V 1ph 50/60Hz, - Includes channel for actuator - 3 phase drive motor will need customer supplied starter	6.4	2.9	
C806	Chain Disk Auxiliary Control 220V 1ph 50/60Hz, - Up to 7 cascading chain disk loops - 3 phase drive motor will need customer supplied starter	6.5	2.9	

### TIMERS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
700024	24 Hour Time Clock - 115V (Pin Type Settings)	3.0	1.4	
700025	24 Hour Time Clock - 230V (Pin Type Settings)	3.0	1.4	



**780350**  
Clear PVC tube sold separate



**730465**

### SENSORS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780350	Tube Mounted 220V Proximity Sensor - Use on clear tube	1.7	0.8	
730549	Face Mounted 220V Proximity Sensor - Short Delay - 90-265v, 3 sec. - 10 min. Delay - Use on discharge head hoppers	0.4	0.2	
730465	Face Mounted 220V Proximity Sensor - Long Delay - 90-265v, 3 sec. - 60 min. Delay - Use on discharge head hoppers	0.9	0.4	