
SECTION 05

CHAIN DISK FEEDING SYSTEM

IN THIS CATALOG SECTION

PAGE NUMBER	CONTENTS
05-02	How to Order a Chain Disk Feed Delivery System
05-03	Drive Units & Drive Suspension
05-04	Fill Hoppers, Hopper Adapters & Line Transfer
05-05	90° Corner & Chain Disk
05-06	Tubes & Hangers
05-07	Drop Outlets & Downspout Tubes
05-08	Controls, Timers & Sensors

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
 - + NOT FOUND
 - = 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 150 foot 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.

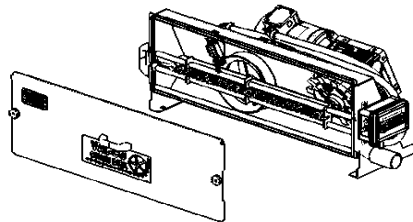
7. ORDER DROP OUTLETS & DOWNSPOUTS

- 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.

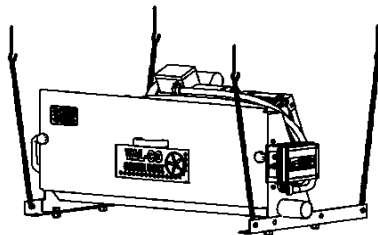
CHAIN DISK FEED SYSTEM DRIVE UNITS & SUSPENSION KITS



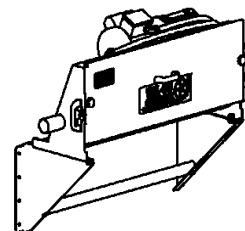
780160 (1 phase motor)
 780162 (3 phase motor)
 Drive is fully assembled and
 motor is pre-wired

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)

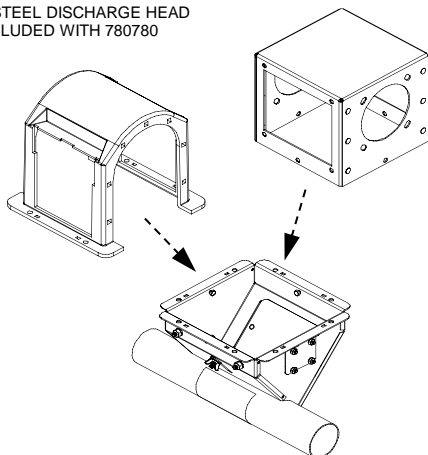
DRIVE UNIT SUSPENSION KITS

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

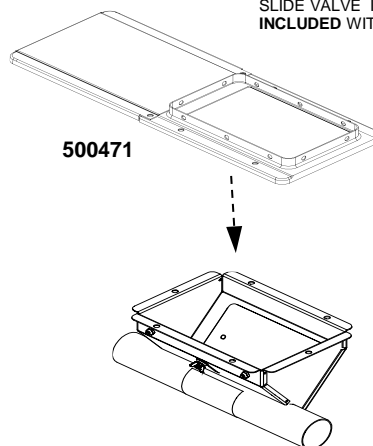
FILL HOPPERS, HOPPER ADAPTERS & LINE TRANSFER

POLY OR STEEL DISCHARGE HEAD
IS NOT INCLUDED WITH 780780



780780

SLIDE VALVE IS NOT
INCLUDED WITH 780260



780260

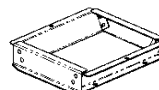
FILL HOPPERS

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.



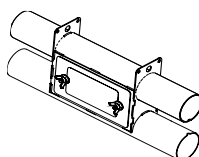
780795



730375

HOPPER ADAPTERS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
500471	Bin Boot Slide Valve - Single Plate	6.0	2.7	
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	

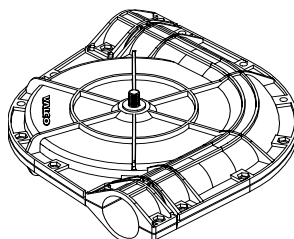


780170

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	

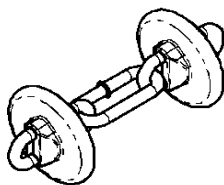
CHAIN DISK FEED SYSTEM 90° CORNER & CHAIN DISK



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

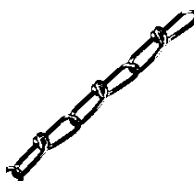
CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
780600	White PVC Tube - 2.36" x 10' (60mm x 3m)	7.5	3.4	
780610	Clear PVC Tube - 2.36" x 10' (60mm x 3m)	7.5	3.4	
780601	PVC Tube Splice - 2.36"/60mm (White Only)	0.3	0.1	
730415	PVC Cement - 1/2 Pint	1.0	0.5	
VG125	PVC Cement - Quart	2.1	1.0	

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	
775130	Steel Tube Coupler, Galvanized, Per Piece	1.2	0.5	
775026	Steel Tube Coupler, Galvanized, Carton of 15	7.7	3.5	



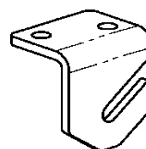
720220



820099



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



820055 (50/box)



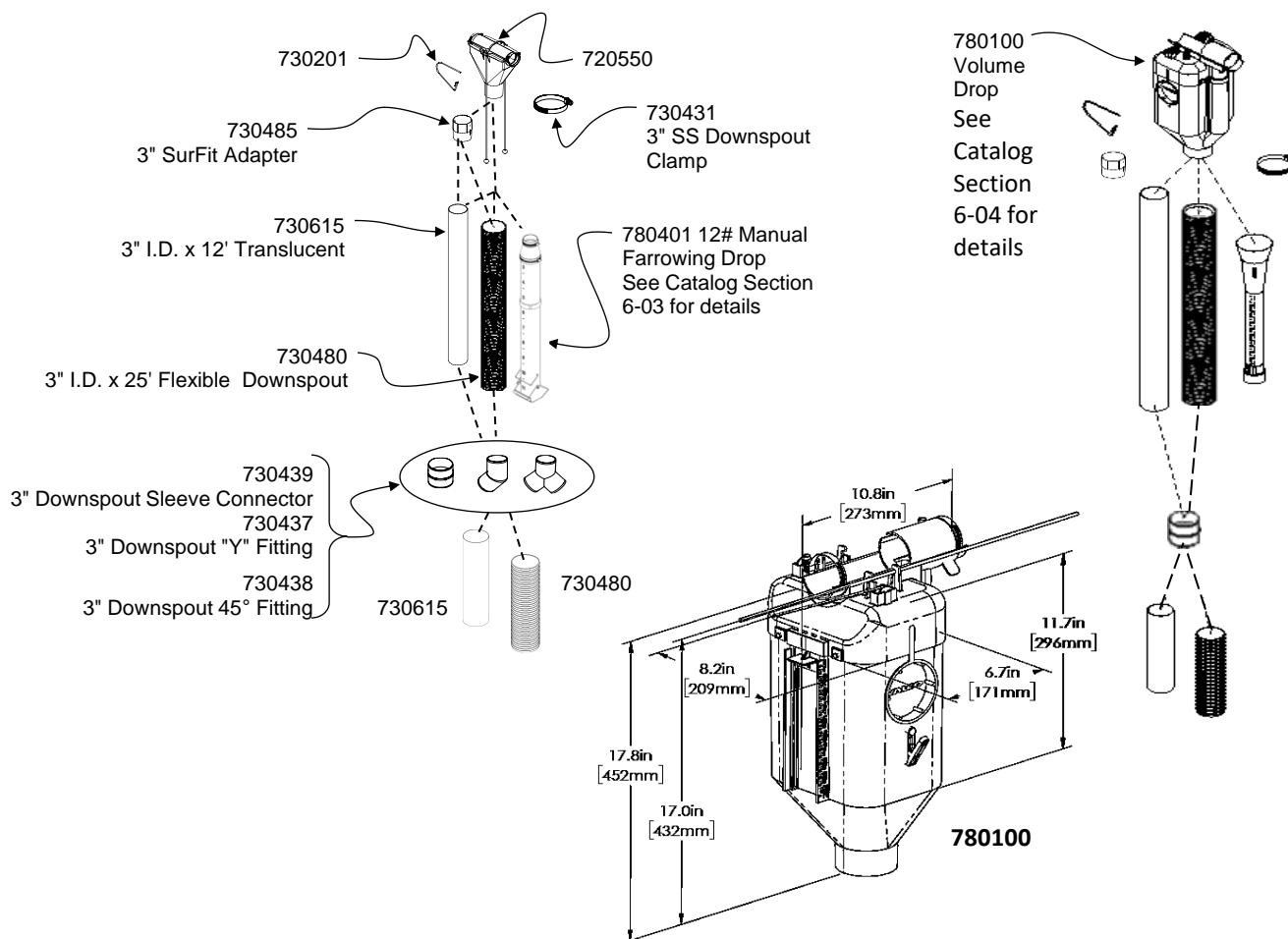
VEN91507C

TUBE HANGING

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
720220	Tube Hanger	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 (for Model 720 2.25" Systems & Chain Disk Systems)	3.5	1.6	
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	4.0	1.8	
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	



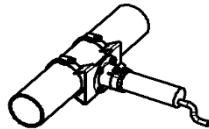
CHAIN DISK FEED SYSTEM CONTROLS, TIMERS & SENSORS

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	