

Extreme Rotary Airlock

"When Heavy Duty Isn't enough"



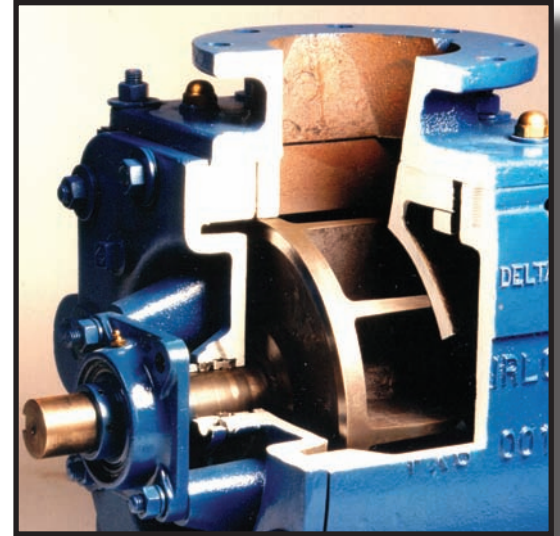
For decades Clyde Bergemann Delta Ducon has been supplying rotary valves to handle extremely abrasive materials. The PERMA/flo "XL" rotary valve has been considered the valve of choice by many customers who demand long life and high quality.

The basic design of the "XL" has remained unchanged since 1964. UNTIL NOW. At this time Clyde Bergemann Delta Ducon is pleased to introduce a new product in it's line of PERMA/flo rotary valves. The new eXTreme ("XT") Feeder. The "XT" line of rotary valves are based on the time proven concept of the "XL".

The major enhancement of the "XT" is the increased throat dimension on the 6" through 12" models. The increased throat provides up to an additional 82% over the existing "XL" design. This was done by increasing the number of pockets in the rotor from nine to ten. This in turn allows the inlet shoe to widen, exposing a two- pocket width in lieu of one. This extra width minimizes possible bridging while increasing pocket fill efficiency. Sizes 14" through 24" shall remain our traditional "XL" design.

The "XL" and "XT" series, can be applied as rotary feeders and airlocks. Both the "XL" and "XT" series of rotary valves feature a unique design that offers adjustment between the rotor and the seal shoe. This adjustability enables the rotor to seal shoe gap to be maintained providing the tightest seal possible through out the life of the unit.

Both the rotor and seal shoe are constructed of a special chrome-iron alloy called P-33. This alloy yields a hardness of 500-600 Brinell. Unlike other valves that feature a surface hardening, P-33 is a solid alloy casting that does not wear off to expose a softer metal base.



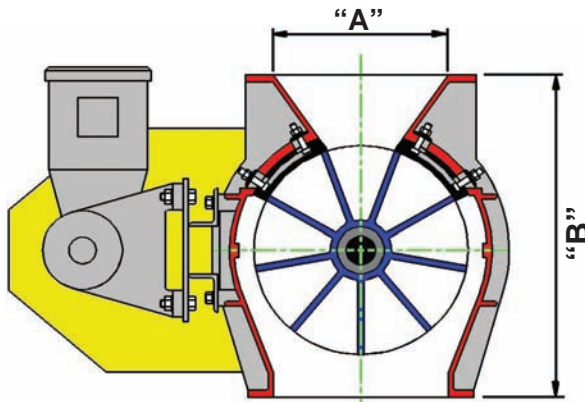
CUT AWAY VIEW



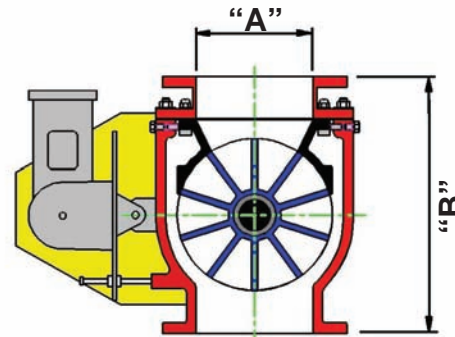
FIVE "XT" UNITS

Extreme Rotary Airlock

"When Heavy Duty Isn't enough"



"XL" Rotary Valve



"XT" Rotary Valve

SIZE	6"	8"	10"	12"	14"	16"	18"	24"
MODEL	"XT"	"XT"	"XT"	"XT"	"XL"	"XL"	"XL"	"XL"
Capacity (Cu. Ft. Per Rev. @ 100% eff.)	0.20	0.375	0.60	1.0	1.60	2.70	2.70	6.00
Overall Height (inches)	20"	22"	24"	27"	29.75"	30"	34"	46.5"
HP (Fixed Speed)	0.5	0.5	1	1	3	3 or 5	3 or 5	7.5
HP (Variable Speed/Inverter Duty)	1	1	1.5 or 2	1.5 or 2	3 or 5	3 or 5	3 or 5	7.5
Approximate Weight w/Drive (Pounds)	800	1100	1300	1700	2100	2700	2700	4000
Number of Rotor Pockets	10	10	10	10	9	9	9	9
Rotor & Shoe Material	(550 BHN) P-33 Chrome Nickel Iron Alloy (For All Sizes)							
Housing Material	Cast Iron							
Inlet & Discharge Flange	Round (150# ANSI Drilling)					16" Sq.	18" Sq.	24" Sq.
Bearings	Outboard For All Sizes							
Temperature Rating (Standard Design)	500°							
Temperature Rating (High Temp Design)	1000°							

STANDARD "XT" & "XL" FEATURES:

- ⌘ P-33 Alloy Rotor & Inlet Wear Shoe
- ⌘ Field adjustable rotor to shoe clearance
- ⌘ Heavy cast iron housing
- ⌘ Outboard bearings
- ⌘ Shaft air purge ports
- ⌘ Inspection Ports

OPTIONS:

- ⌘ Shaft air purge kit
- ⌘ Zero speed switch.
- ⌘ Vent hopper (For the venting of displaced air)
- ⌘ Support stand
- ⌘ Variable speed control
- ⌘ NFPA compliance

