SPECIALTY PROCESS VALVES

2026

PRO SERIES

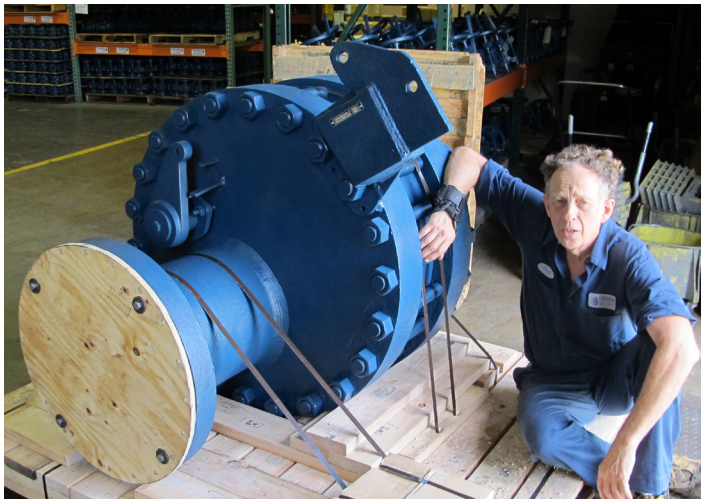
EVERLASTING VALVE COMPANY

WEARS IN, NOT OUT®

PRO Series

Engineered and designed to meet your most severe application requirement with a peace of mind of reliability and longevity. Every SPR Series Valve is equipped with our patented and unique rotating, self-lapping discs to outperform the traditional style valve designs.

SPECIALTY-PROCESS VALVES

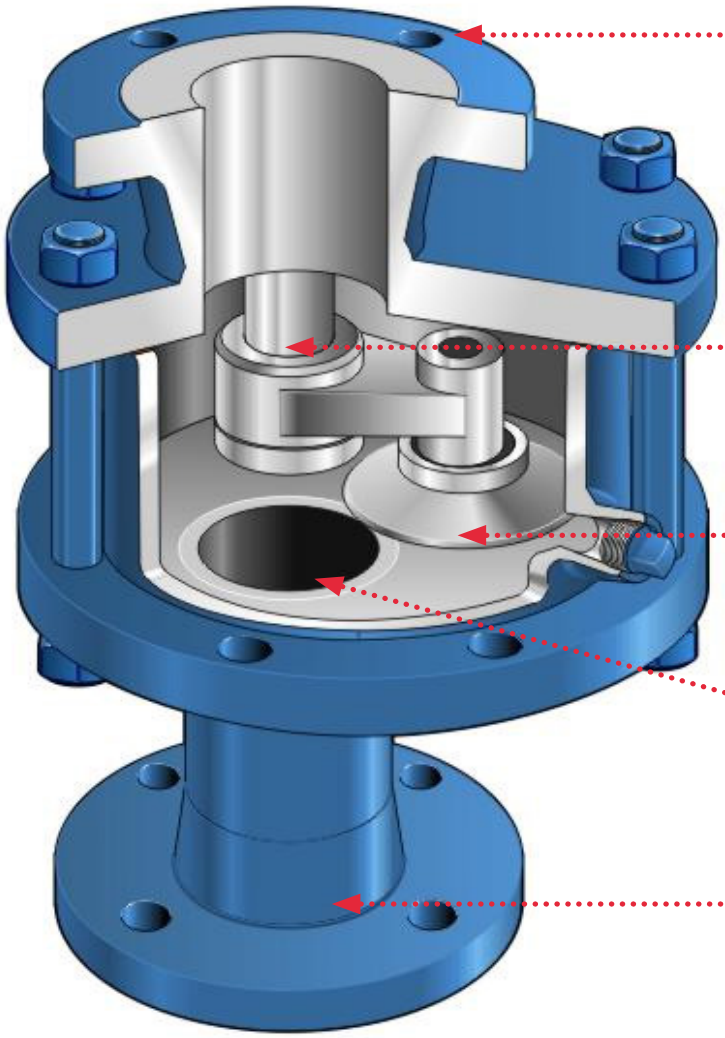


Our specialty process valves (SPR Series) are available in a wide range of sizes in standard and custom configurations to meet your application requirements. From coatings to custom controls, we have the ability to adapt to a wide array of requests to meet your specific needs. Contact factory for details.

STREAMLINED MOVING PARTS are made to move freely through the slurry with a minimum of resistance to operation. This design can also be furnished as a tank bottom valve.

Process Valve Specifications

- Sizes:½” (12mm) to 18” (450mm)
- Pressure: ANSI Class 150 through 2500, Full vacuum to 10,000 psi (Size Dependant)
- Temperature: -50°F (-46°C) to 1500°F (+815°C)
- Trim (Seats and Discs):Stellite #6, 440 Stainless Steel, Tungsten Carbide and others upon request
- Construction: Carbon or Stainless Steel, Hasteloys, Inconels, Duplex SS, Ferallium 225, Your Choice
- End Connections: Flanged, Butt-weld, Lugged (Flange-less), RTJ
- Operators: Air Cylinder, Lever, Hand-Wheel, Spring Return, Hydraulic, Electric
- Accessories: Solenoids, Limit Switches, Positioners



End Connections – Flanged, socket and butt weld designs

ROTATING STEM – Increased packing life, wide selection of actuators

UNIQUE ROTATING/SHEARING DISC – Self lapping disc, enhances seat cleaning action, cuts through solids, long lasting tight shut-off

FULL PORT – abrasion resistance, no obstruction to flow, minimal pressure drop

SELF DRAINING BODY (in the vertical position) – Reduced chance of jamming due to material entrainment, stagnation and degradation.

Specialty Process Valves - Overview

Size Range 1” (25,4mm) to 14” (355,6mm)

Durability and Performance For Shut Off and Isolation Applications

Streamlined Moving Parts

Engineered for smooth passage through slurry media with minimal resistance, ensuring reliable operation. This design is also available as a tank-bottom valve.

Self-Lapping, Wears In-Not Out

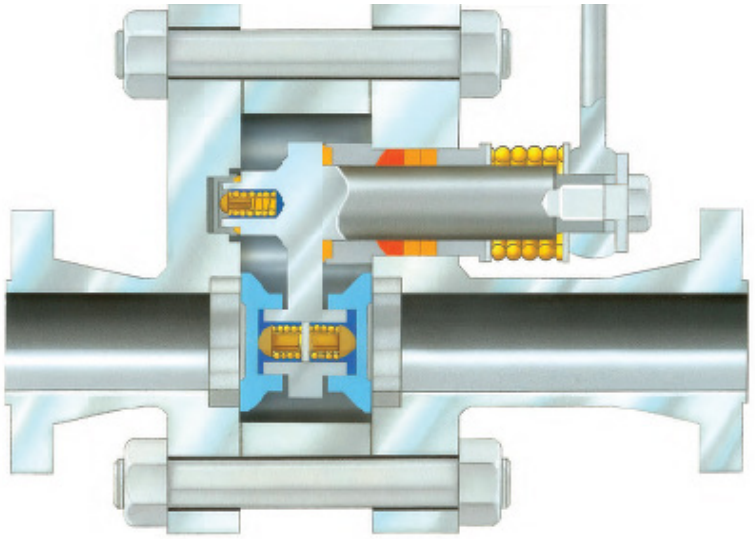
Rotation of the disc creates a self-lapping action in the process media that continually renews and polishes the metal seating surfaces with each cycle. This unique design allows the Everlasting valve to wear in with use, rather than wear out.

Tight Seal Assured

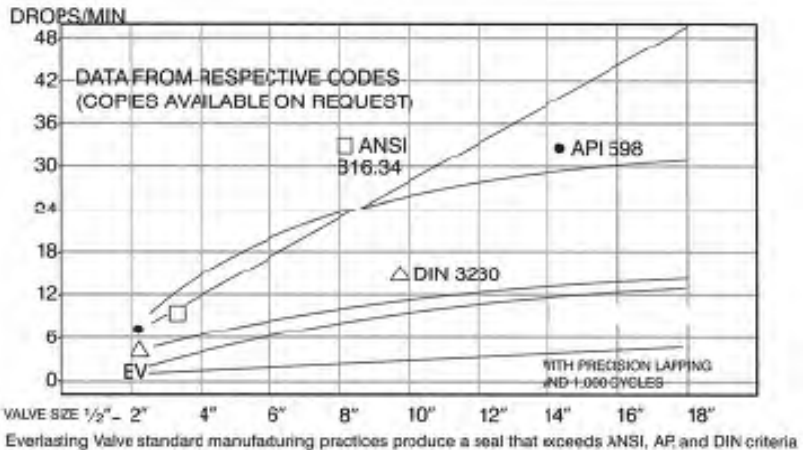
Wide seat and disc surfaces are precision machine-lapped during manufacture to within several light bands of flatness, producing shutoff and isolation performance that exceeds industry standards. Precision lapping and factory cycling can further reduce leakage rates.

Self-Cleaning

The open valve body provides ample clearance for product to be freely displaced by the lever arm and disc during each cycle. This design prevents fines from compacting in restricted areas that can jam components in conventional valve designs. When the valve opens to discharge product, the eccentric body-to-port configuration generates a vortex that re-suspends settled media, effectively cleaning the valve interior.



BI-DIRECTIONAL double disc configuration allows for pressure and flow in either direction

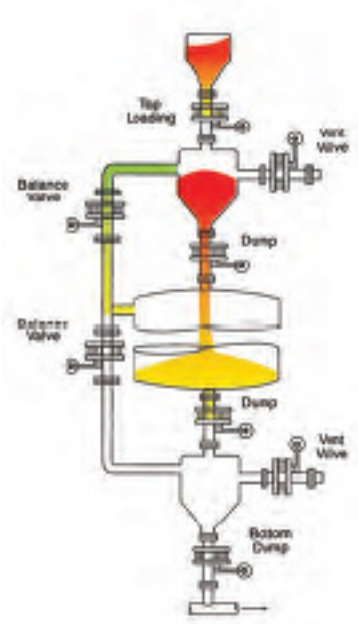


Everlasting Valve standard manufacturing practices produce a seal that exceeds ANSI, API and DIN criteria

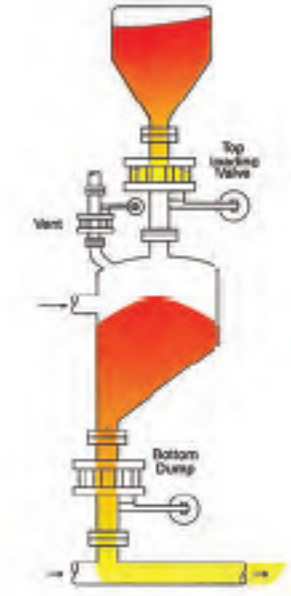
Specialty Process Valves - Overview

Size Range 1” (25,4mm) to 14” (355,6mm)

Everlasting PROCESS and BULK MATERIAL VALVES are used where existing valves or rotary feeders are repaired or replaced more than once a year. Sizes range from 1/2” to 18”, vacuum to class 2500, temperatures to 1500° F.

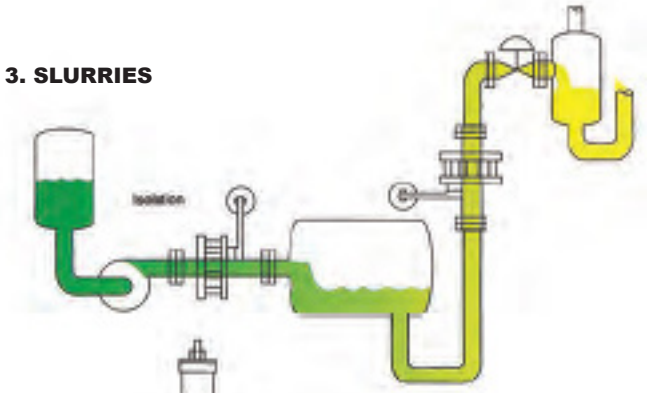


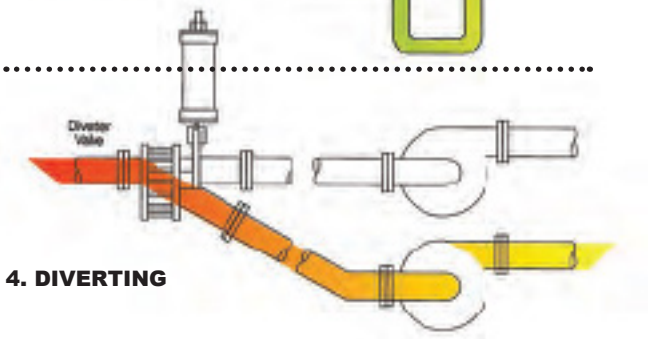
1. REACTOR LOADING



2. PNEUMATIC CONVEYING

3. SLURRIES





4. DIVERTING

Their open body concept is self cleaning and incorporates precision flat lapped hard metal seals and discs that move in non-wedging, non-binding fashion through abrasive materials whether they are dry powders or in a slurry. Differences in tangential disc to seat friction cause the disc to rotate a few degrees with each cycle. This rotation polishes the mating surfaces improving the valve’s seal with each operation.

HERE ARE SOME APPLICATIONS

1. Reactor Loading
Everlasting valves are used to replace other valves or rotary feeders for reactors that can begin its process with positive pressure then drop to a negative pressure. Pressure equalizing valves balance the loading or let-down hoppers so the reactor valves may cycle with zero differential. They also may cycle with a full differential. Pressure equalizing valves are opened to either allow media to enter the loading hopper or the let-down hopper.

2. Pneumatic Conveying
Usually there are trains of two or more vessels that alternate continually to transport media. The duty cycle vent valves are exposed to higher than system velocities, and it must resist erosion from the particulate laden atmosphere being discharged between vessel cycles. Everlasting’s unique rotating disc valves are the ideal choice for severe service applications.

3. Slurries
Everlasting’s eccentric body configuration tends to swirl the flowing media. This design was developed over 100 years ago to handle solids specifically. Other types of valves allow the media to accumulate in small clearances around the seats or between its sealing member and body causing them to jam. In this real situation the vessel volume is 16,000 cubic feet maintained above 500 psi including mine tailings dissolved in acid that exceeds 400°F. The isolation valves are normally open and cycle closed after several months operation for change out of a modulating flash let- down valve without losing system pressure. When the isolation valves fail to seal it takes nearly a day to bleed the system and half a week to start-up. Production loss is worth a small fortune, literally, and so is yours. Space age metals and ceramics used alone could not overcome the attacks of corrosion, erosion, and agglomerating media. The Everlasting Process valves combined the latest materials and its unique design to solve this problem.

4. Diverting
Everlasting rotating disc diverter valves are ideal for diverting flow to bins or silos and for isolating pumps during maintenance. Proven to operate for years in severe services—including 65% coal and sludge slurries—the open-body design prevents fines from compacting and jamming internal components. Installed in reverse, the same valve converges multiple process streams into a single outlet. Available in cast iron, carbon steel, stainless steel, and advanced alloys. Everlasting diverter valves deliver over 100 years of proven reliability in abrasive and corrosive applications.

Ordering Matrix

Everlasting Valves

Ordering Matrix

Select the configuration to build your PRO Series Valve.

The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

Example: How to configure PRO Series Valve, factory will apply a unique ordering number on your design configuration:

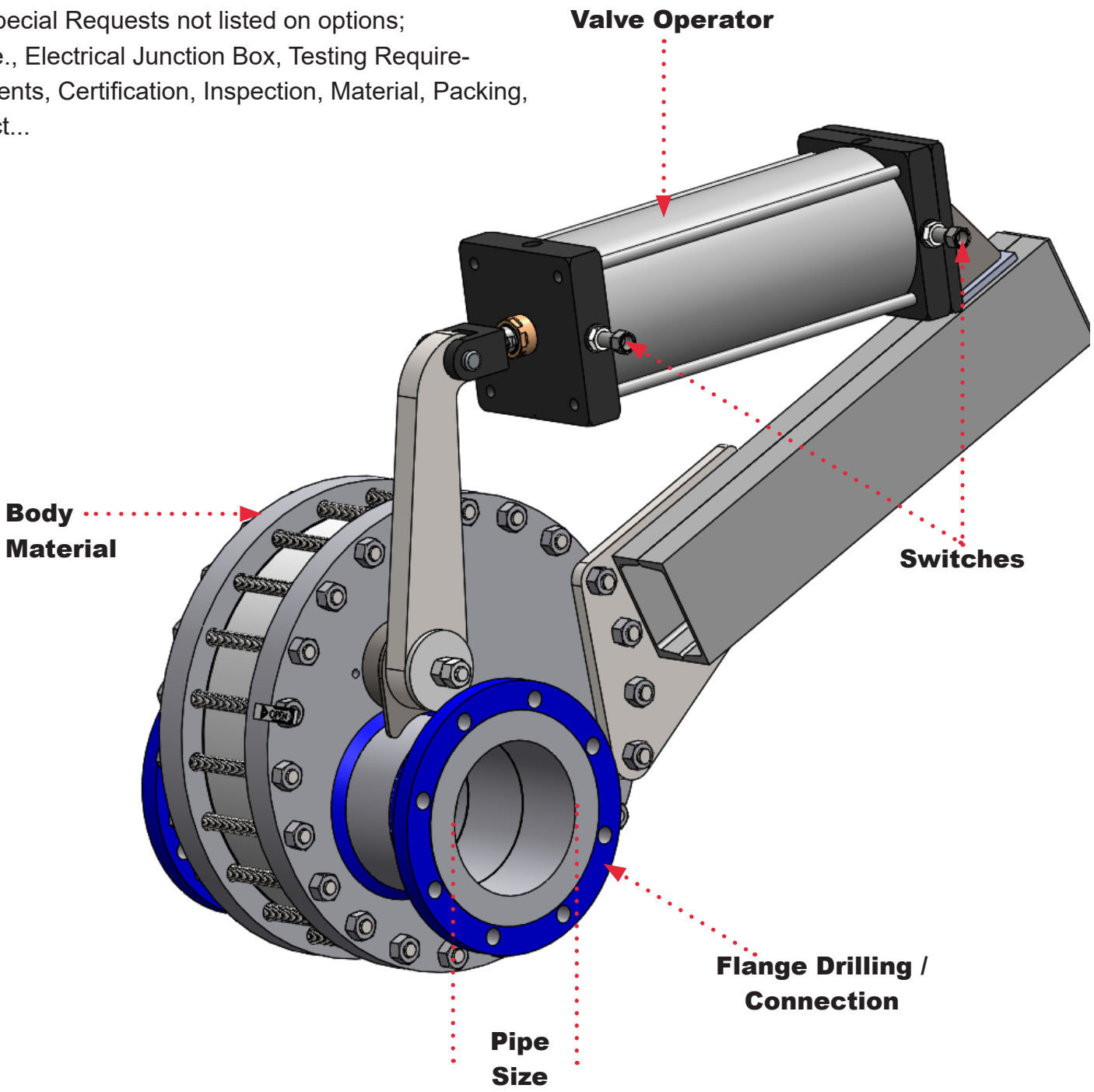
SD	2	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Connection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Option Identification

Note:
Special Requests not listed on options;
I.e., Electrical Junction Box, Testing Requirements, Certification, Inspection, Material, Packing, ect...



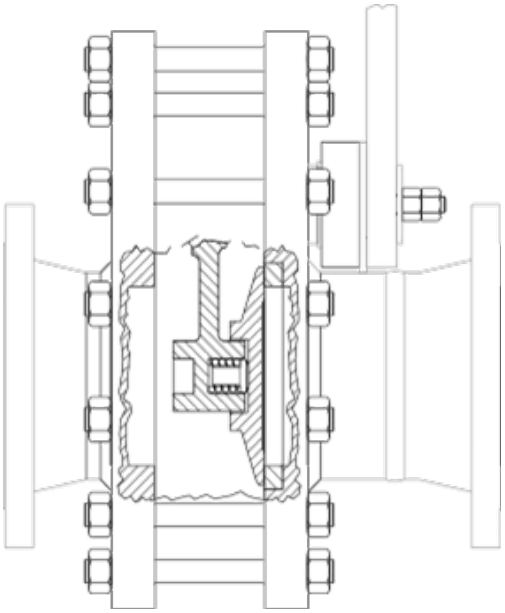
Disc Valve Types

Everlasting Valves

There are four basic valve configurations: single disc, double disc, lens disc and lock-bar. All valve types are designed for OPEN/SHUT service and are generally not intended for throttling applications. However, with evaluation of application by Everlasting engineering, use of valve positioners for throttling may be permitted. Each valve configuration suits particular applications as described below.

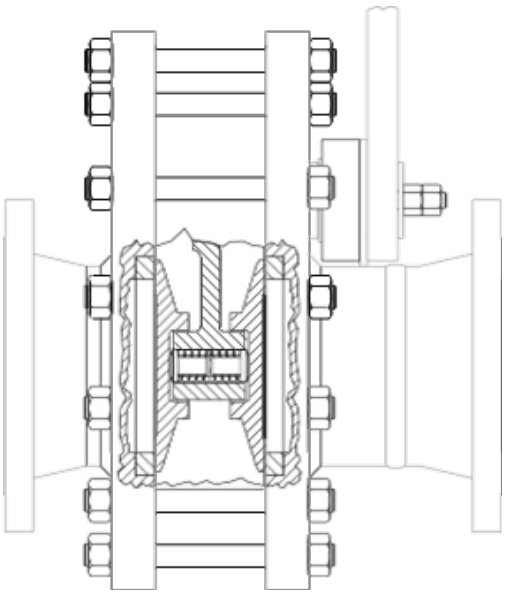
Single Disc Valve

The single disc valve shown here is designed for use where the net positive pressure acts on the back of the disc when the valve is closed. A low net pressure against the face of the disc may be acceptable. Check for special tagging on your valve such as “MAX. REV. PRESS. – 5 PSIG” or consult the factory for assistance.



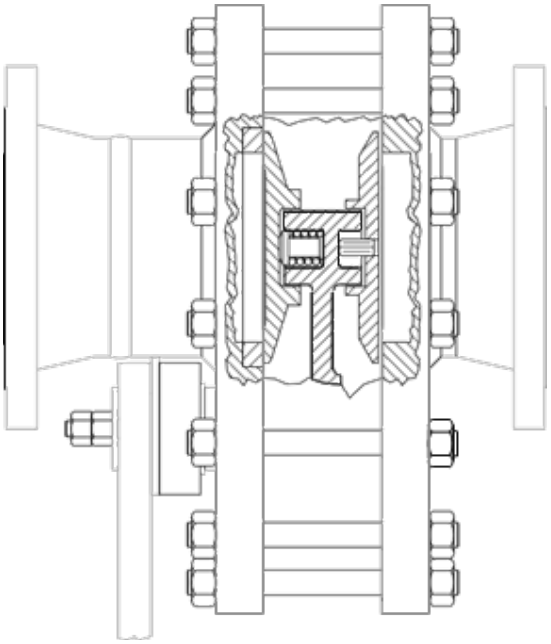
Double Disc Valve

The double disc valve configuration shown here is designed to handle pressure and flow in either direction.



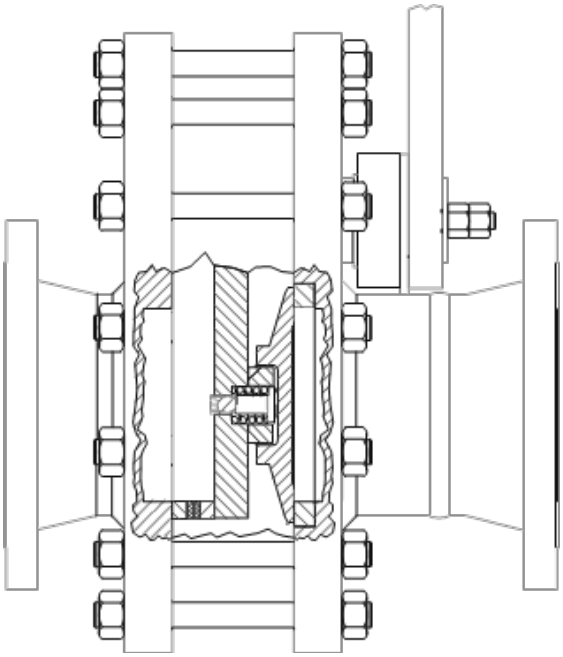
Lens Disc Valve

The lens disc valve configuration shown here is designed to handle pressure and flow vertically downward on the back of the disc. The lens disc reduces material flowing into the valve cavity when the valve is shut.



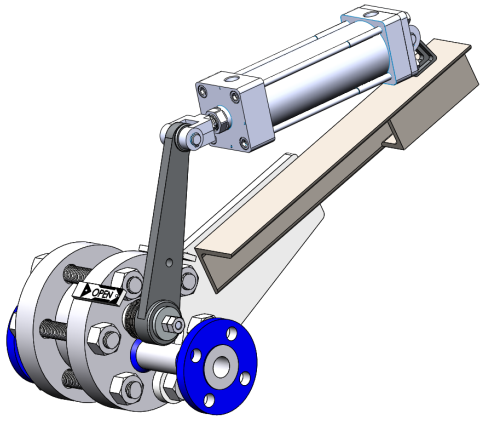
Lockbar Valve

The lockbar valve shown below is designed for use under conditions where the other three valve types may be less suitable. In some vertical pipeline installations, the lockbar valve is used to support material head which would be too heavy for a single disc valve and when net positive pressure is upward against the back of the disc (Refer to Section IV, Figure 13, page 22). Another application of the lockbar valve may be a net pressure against the face of the disc. Check for special tagging on your valve such as “MAX. REV. PRESS. – 15 PSIG” or consult the factory for assistance. In all circumstances lockbar valves are factory set to individual application requirements.



1” Specialty Process Valves

PRO Series: Pipe Size: 1” - CLASS 150 & 300 SD, DD, LD SERIES

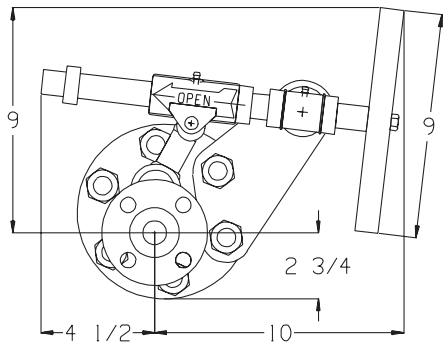


Technical Specifications

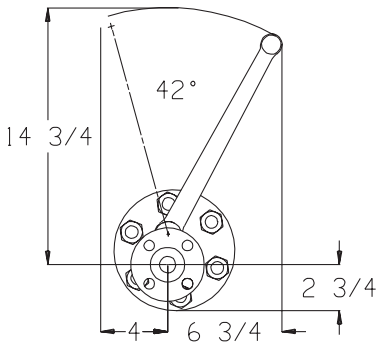
Face to Face:	CL150; 12”, CL300 is 12.5”
Rating:	L150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless and others upon request
Seats & Discs:	Steel Cast Stellite #6
Configurations:	SD (Single Disc) shown at left DD (Double Disc) bottom left LD (Lens Disc) bottom right
Operators:	Lever; Hand-wheel; Air Cylinder
Accessories:	Limit Switches Solenoid Fail Safe (Air Reservoir & Solenoid)
Valve Flow Coefficient (Cv)	40

Notes: 1) All valves are supplied with (1) 3/8" Purge/Drain connection.

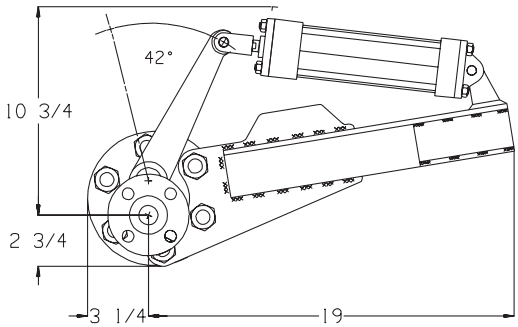
Dimensions (inches)



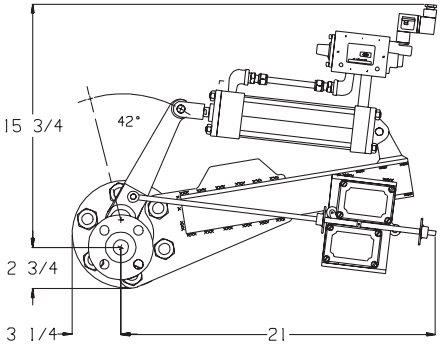
HANDWHEEL OPERATOR



LEVER OPERATOR



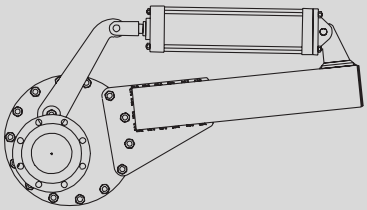
AIR CYLINDER OPERATOR

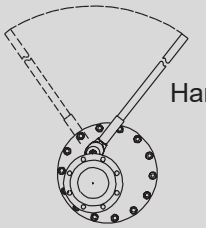


A/C W/ LIMIT SWITCHES & SOLENOID

Operator Options

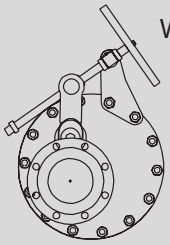
Cylinder





Hand Lever

Wheel



Specialty Process Valves

PRO Series: Pipe Size: 1” - CLASS 150 & 300 SD, DD, LD SERIES

1”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

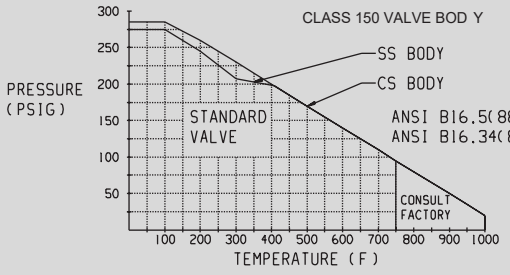
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

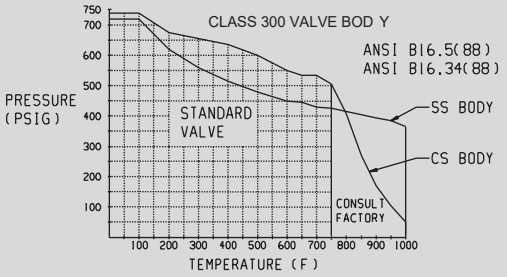
SD	1	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Connection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





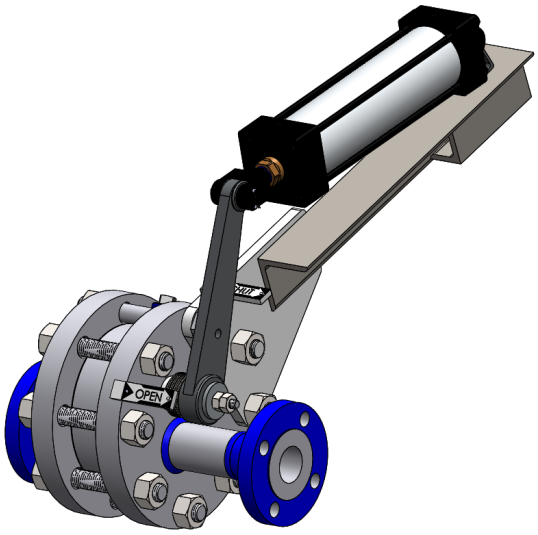
Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	Full Rating	Full Rating	Full Rating	275	Full Rating
20% Slurry (1)	Full Rating	Full Rating	Full Rating	200	Full Rating
50% Slurry (1)	Full Rating	Full Rating	Full Rating	180	Full Rating
75% Slurry (1)	Full Rating	Full Rating	Full Rating	160	715
100% Slurry	Full Rating	Full Rating	Full Rating	135	690

Notes:

1. For vertically positioned valves in slurry service, use 100% slurry value. For solid columns, Consult factory
2. All air cylinder values in Table include a Safety Factor of 1.5.
3. Gear, hydraulic or electric operators can be sized per customer specs as applicable - consult factory.
4. Consult Everlasting for higher differential pressures or for any clarifications.

1.5” Specialty Process Valves

PRO Series: Pipe Size: 1.5” - CLASS 150 & 300 SD, DD, LD SERIES

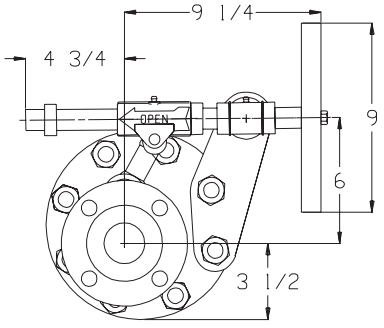


Technical Specifications

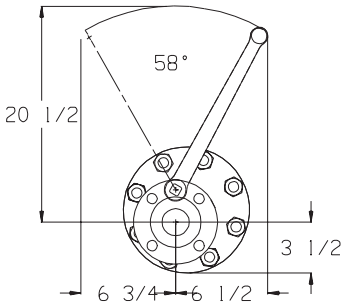
Face to Face:	CL150; 12.5”, CL300 is 13”
Rating:	CL150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless Steel
Seats & Discs:	Cast Stellite #6
Configurations:	SD (Single Disc) DD (Double Disc) LD (Lens Disc)
Operators:	Lever; Hand-wheel; Air Cylinder
Accessories:	Limit Switches; Solenoid; Fail Safe (Air Reservoir & Solenoid). Refer to Standard
Valve Flow Coefficient (Cv)	108

Note: All valves are supplied with (1) 3/8" Purge/Drain connection.

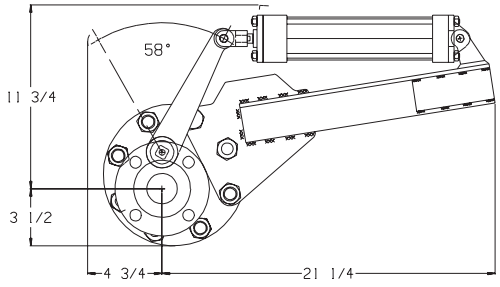
Dimensions (inches)



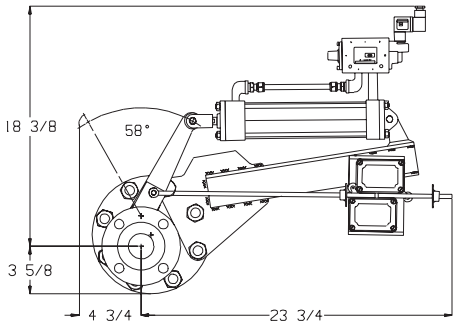
HANDWHEEL OPERATOR



LEVER OPERATOR



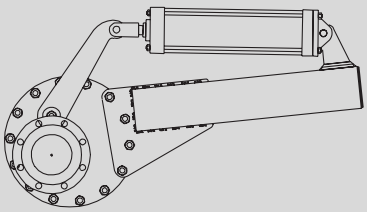
AIR CYLINDER OPERATOR



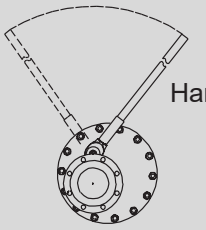
A/C WITH LIMIT SWITCHES & SOLENOID

Operator Options

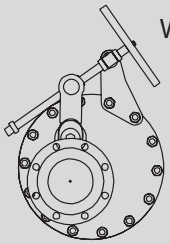
Cylinder



Hand Lever



Wheel



Specialty Process Valves

PRO Series: Pipe Size: 1.5” - CLASS 150 & 300 SD, DD, LD SERIES

1.5”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

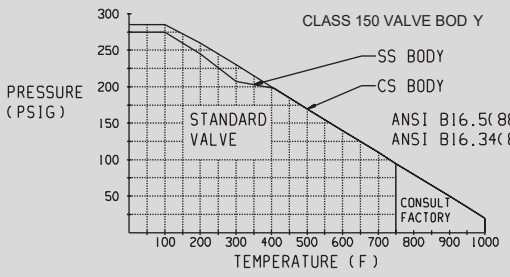
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

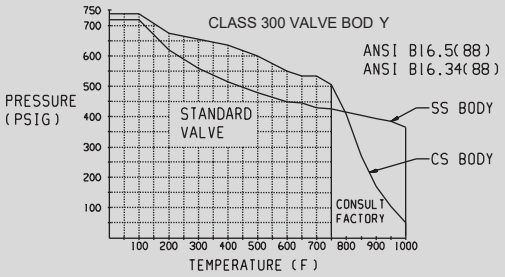
SD	1.5	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Connection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





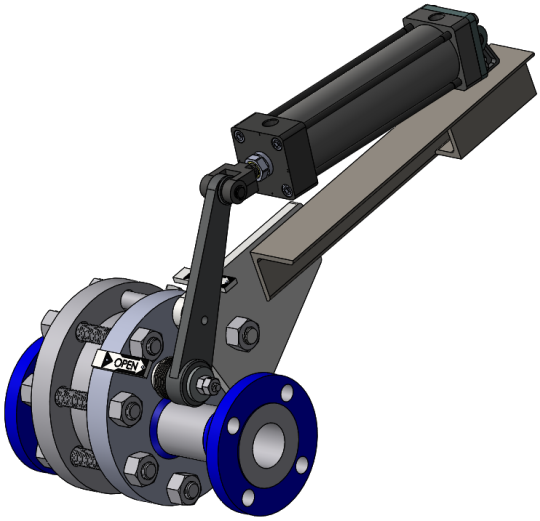
Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	230	325	420	275	Full Rating
20% Slurry (*)	180	275	370	200	Full Rating
50% Slurry (*)	165	260	355	180	Full Rating
75% Slurry (1)	150	245	340	160	715
100% Slurry	130	225	320	135	690

Notes:

1. For vertically positioned valves in slurry service, use 100% slurry value. For solid columns, Consult factory
2. All air cylinder values in Table include a Safety Factor of 1.5.
3. Gear, hydraulic or electric operators can be sized per customer specs as applicable - consult factory.
4. Consult Everlasting for higher differential pressures or for any clarifications.

2” Specialty Process Valves

PRO Series: Pipe Size: 2” - CLASS 150 & 300 SD, DD, LD SERIES

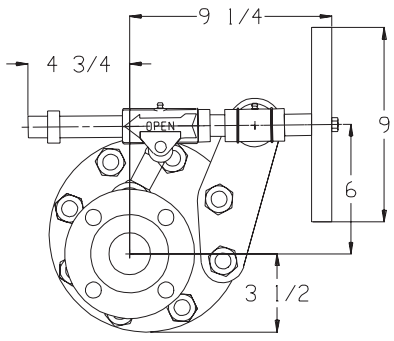


Technical Specifications

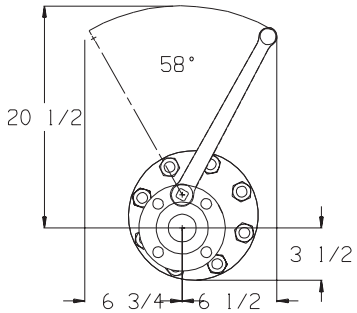
Face to Face:	CL150; 12.5”, CL300 is 13”
Rating:	CL150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless Steel
Seats & Discs:	Cast Stellite #6
Configurations:	SD (Single Disc) shown at left DD (Double Disc) bottom left LD (Lens Disc) bottom right
Operators:	Lever; Hand-wheel; Air Cylinder
Accessories:	Limit Switches; Solenoid; Fail Safe (Air Reservoir & Solenoid).
Valve Flow Coefficient (Cv)	132

Notes: 1) All valves are supplied with (1) 1/2" Purge/Drain connection.

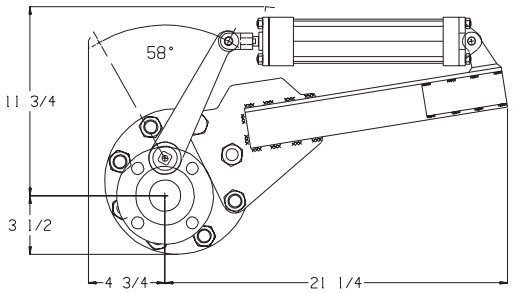
Dimensions (inches)



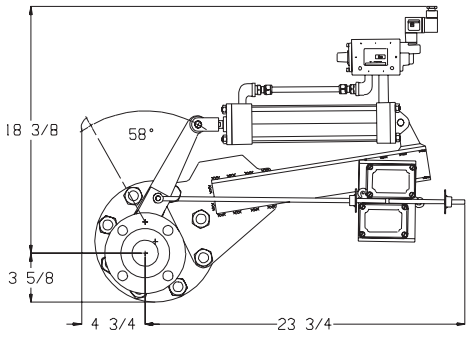
HANDWHEEL OPERATOR



LEVER OPERATOR



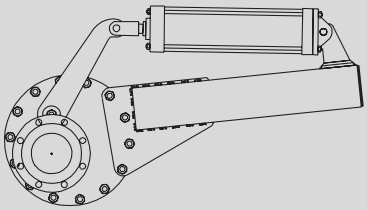
AIR CYLINDER OPERATOR

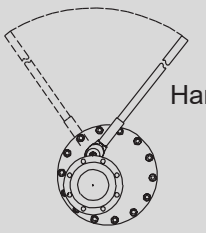


A/C WITH LIMIT SWITCHES & SOLENOID

Operator Options

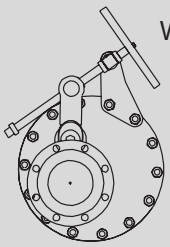
Cylinder





Hand Lever

Wheel



Specialty Process Valves

PRO Series: Pipe Size: 2” - CLASS 150 & 300 SD, DD, LD SERIES

2”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

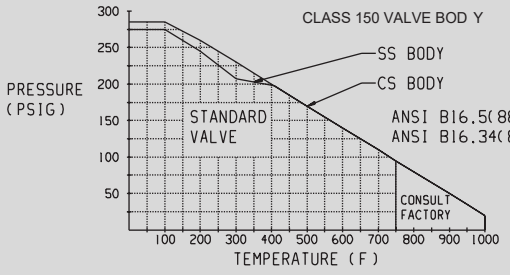
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

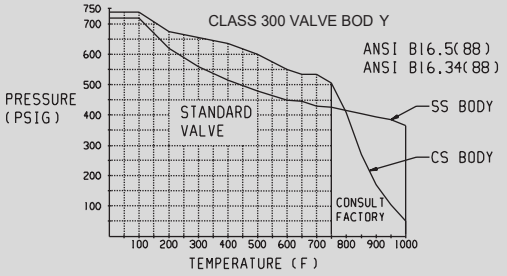
SD	2	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Connection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	**SD**	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	**1**	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	**C**	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	**C1**	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	**1**	=	Stellite #6
	9	=	Other
Packing Material	**T**	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	**SA**	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	**FL**	=	Flanged
	LG	=	Lugged
Solenoid Valve	**SV**	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	**110**	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	**GO**	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	**JB**	=	Junction Box
	N	=	None
Area Class	**XP**	=	Explosion Proof
	GP	=	General Purpose
Special	**ZZ**	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





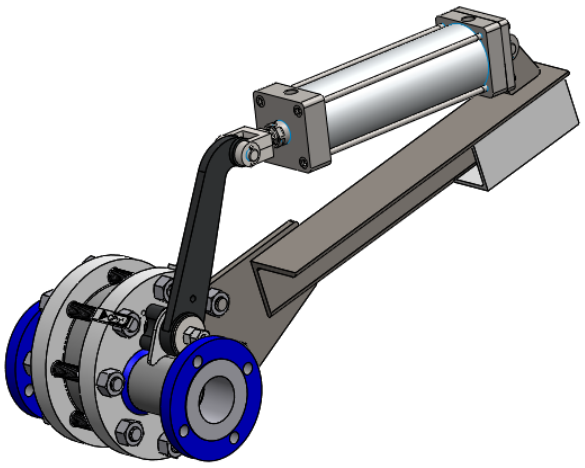
Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	220	310	400	200	600
20% Slurry (1)	170	260	350	150	550
50% Slurry (1)	155	245	335	135	535
75% Slurry (1)	140	230	320	120	520
100% Slurry	120	210	300	100	500

Notes:

1. For vertically positioned valves in slurry service, use 100% slurry value. For solid columns, Consult factory
2. All air cylinder values in Table include a Safety Factor of 1.5.
3. Gear, hydraulic or electric operators can be sized per customer specs as applicable - consult factory.
4. Consult Everlasting for higher differential pressures or for any clarifications.

3” Specialty Process Valves

PRO Series: Pipe Size: 3” - CLASS 150 & 300 SD, DD, LD SERIES

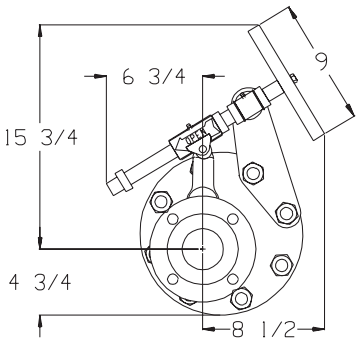


Technical Specifications

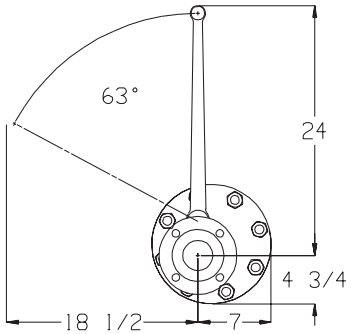
Face to Face:	CL150; 14.75”, CL300 is 15.5”
Rating:	CL150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless Steel
Seats & Discs:	Cast Stellite #6
Configurations:	SD (Single Disc) DD (Double Disc) LD (Lens Disc)
Operators:	Lever; Hand-wheel; Air Cylinder
Accessories:	Limit Switches; Solenoid; Fail Safe (Air Reservoir & Solenoid).
Valve Flow Coefficient (Cv)	484

Notes: All valves are supplied with one 3/8" Purge/Drain connection.

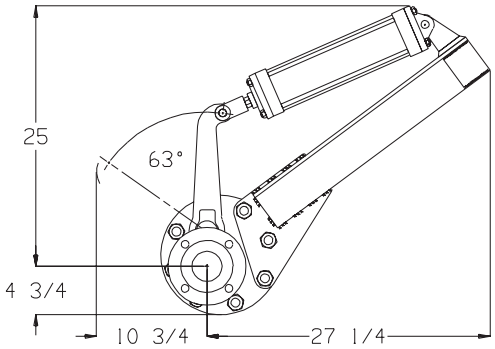
Dimensions (inches)



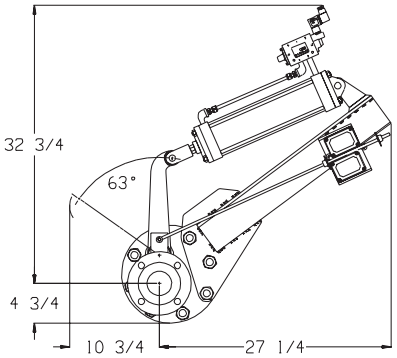
HANDWHEEL OPERATOR



LEVER OPERATOR



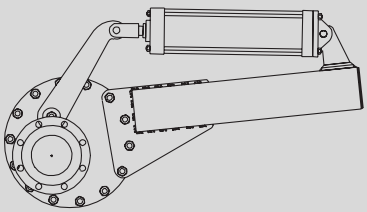
AIR CYLINDER OPERATOR

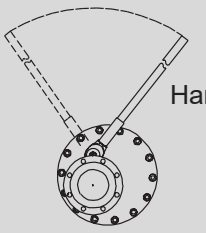


A/C WITH LIMIT SWITCHES & SOLENOID

Operator Options

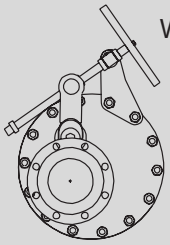
Cylinder





Hand Lever

Wheel



Specialty Process Valves

PRO Series: Pipe Size: 3” - CLASS 150 & 300 SD, DD, LD SERIES

3”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

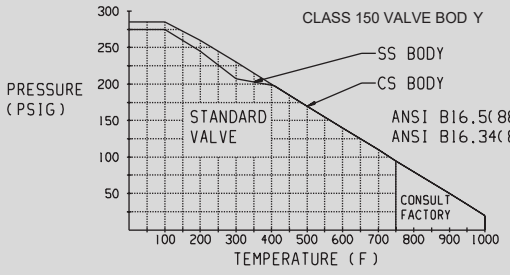
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

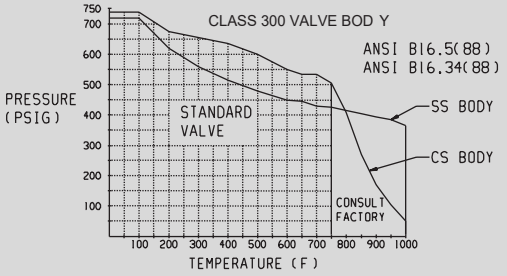
SD	3	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Connection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





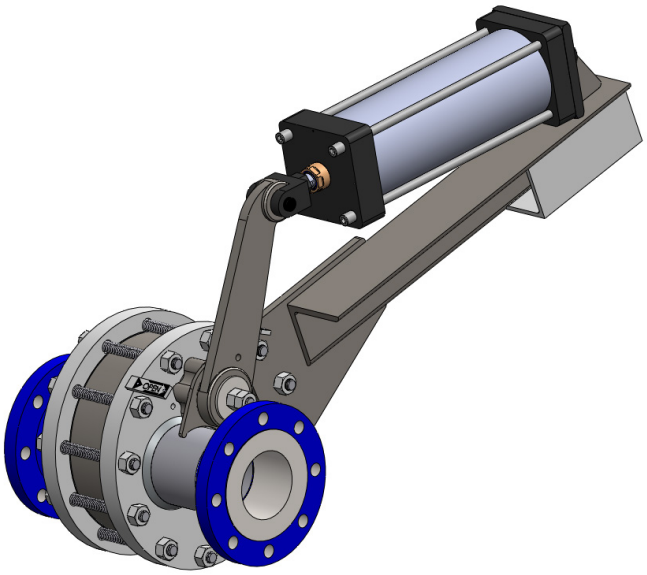
Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	250	350	440	100	Full Rating
20% Slurry (1)	200	300	390	50	450
50% Slurry (1)	185	285	375	35	300
75% Slurry (1)	170	270	360	20	175
100% Slurry	150	250	340	5	60

Notes:

1. For vertically positioned valves in slurry service, use 100% slurry value. For solid columns, Consult factory
2. All air cylinder values in Table include a Safety Factor of 1.5.
3. Gear, hydraulic or electric operators can be sized per customer specs as applicable - consult factory.
4. Consult Everlasting for higher differential pressures or for any clarifications.

4” Specialty Process Valves

PRO Series: Pipe Size: 4” - CLASS 150 & 300 SD, DD, LD SERIES

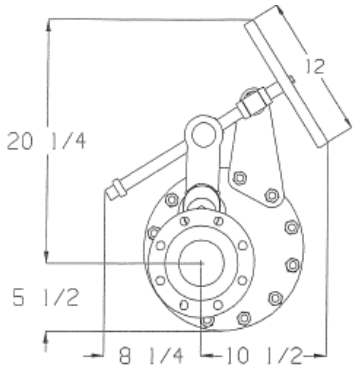


Technical Specifications

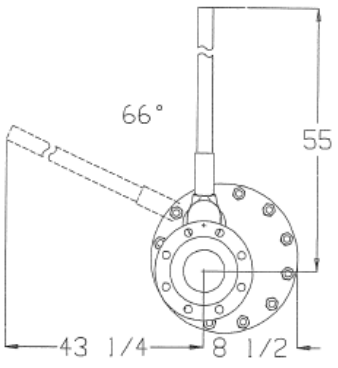
Face to Face:	CL150; 16”, CL300 is 17.75”
Rating:	CL150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless Steel
Seats & Discs:	Cast Stellite #6
Configurations:	SD (Single Disc) shown at left DD (Double Disc) bottom left LD (Lens Disc) bottom center LB (Lock Bar) bottom right
Operators:	Lever; Hand-wheel; Air Cylinder
Accessories:	Limit Switches; Solenoid; Fail Safe (Air Reservoir & Solenoid).
Valve Flow Coefficient (Cv)	248

Notes: All valves are supplied with one 3/8" Purge/Drain connection.

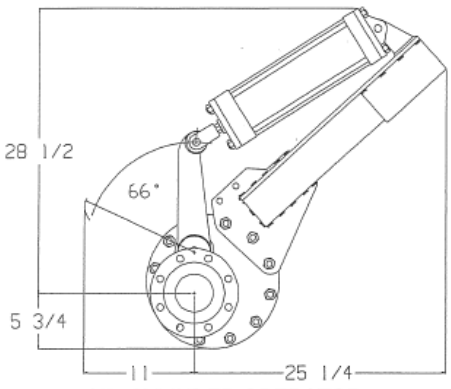
Dimensions (inches)



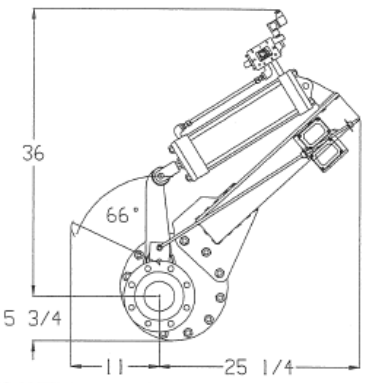
HANDWHEEL OPERATOR



LEVER OPERATOR



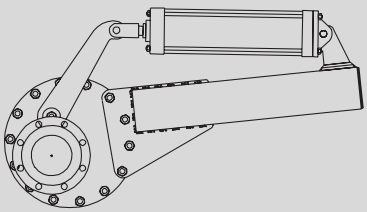
AIR CYLINDER OPERATOR



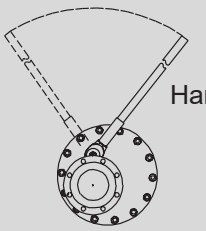
A/C WITH LIMIT SWITCHES & SOLENOID

Operator Options

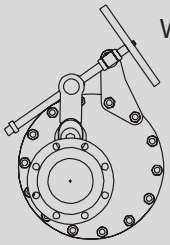
Cylinder



Hand Lever



Wheel



Specialty Process Valves

PRO Series: Pipe Size: 4” - CLASS 150 & 300 SD, DD, LD SERIES

4”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

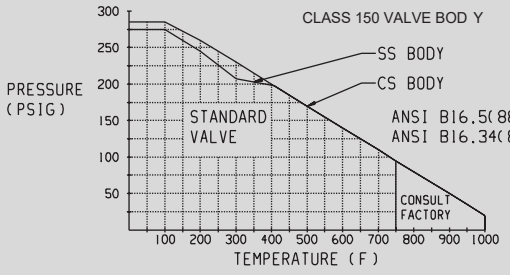
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

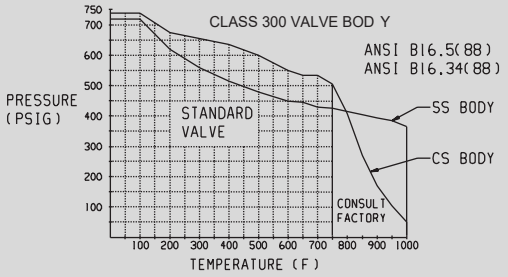
SD	4	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Connection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





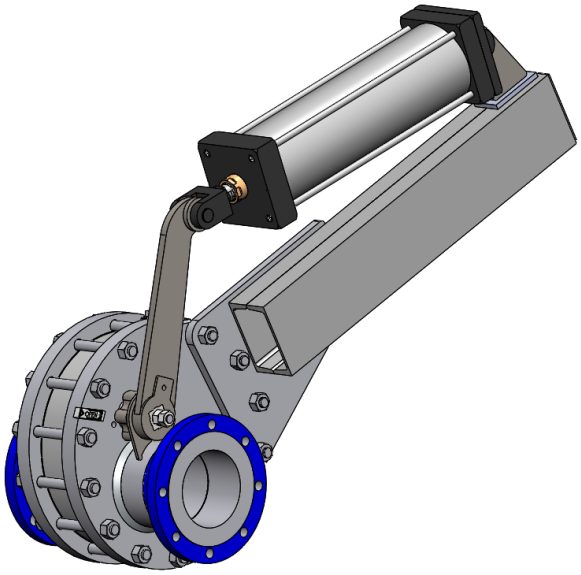
Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	180	250	315	170	Full Rating
20% Slurry (1)	130	200	265	120	525
50% Slurry (1)	115	185	250	105	460
75% Slurry (1)	100	170	235	90	390
100% Slurry	80	150	215	70	300

Notes:

1. For vertically positioned valves in slurry service, use 100% slurry value. For solid columns, Consult factory
2. All air cylinder values in Table include a Safety Factor of 1.5.
3. Gear, hydraulic or electric operators can be sized per customer specs as applicable - consult factory.
4. Consult Everlasting for higher differential pressures or for any clarifications.

6” Specialty Process Valves

PRO Series: Pipe Size: 6” - CLASS 150 & 300 SD, DD, LD SERIES

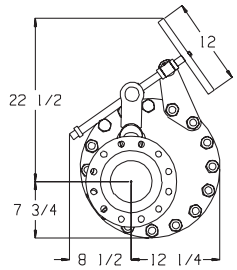


Technical Specifications

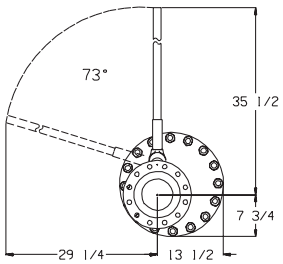
Face to Face:	CL150;16.5”, CL300 is 20.5”
Rating:	L150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless Steel Cast Stellite #6
Seats & Discs:	SD (Single Disc) shown at left
Configurations:	DD (Double Disc) bottom left LD (Lens Disc) bottom right
Operators:	Lever; Hand-wheel; Air Cylinder
Accessories:	Limit Switches Solenoid Fail Safe (Air Reservoir & Solenoid). See page XX
Valve Flow Coefficient (Cv)	3300

Notes: All valves are supplied with one 3/8" Purge/Drain connection.

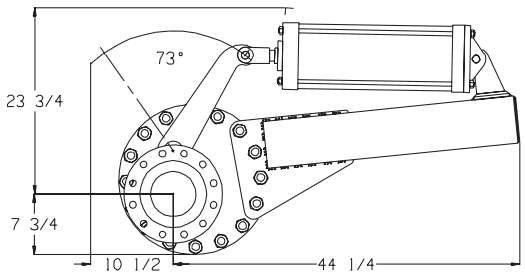
Dimensions (inches)



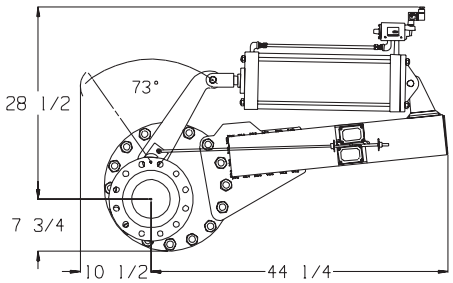
HANDWHEEL OPERATOR



LEVER OPERATOR



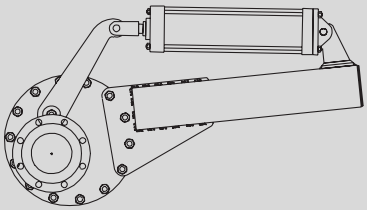
AIR CYLINDER OPERATO R

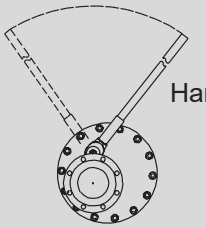


A/C WITH LIMIT SWITCHES & SOLENOID

Operator Options

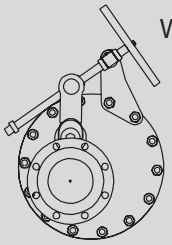
Cylinder





Hand Lever

Wheel



Specialty Process Valves

PRO Series: Pipe Size: 6” - CLASS 150 & 300 SD, DD, LD SERIES

6”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

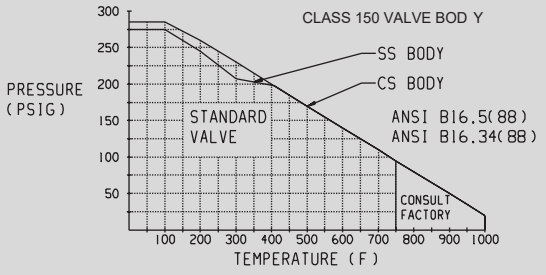
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

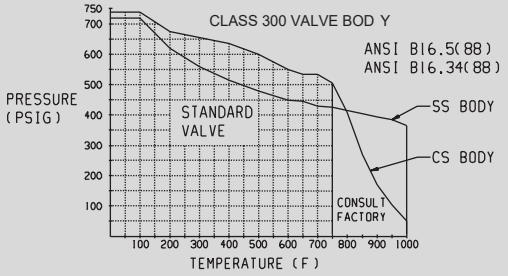
SD	6	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Con-nection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





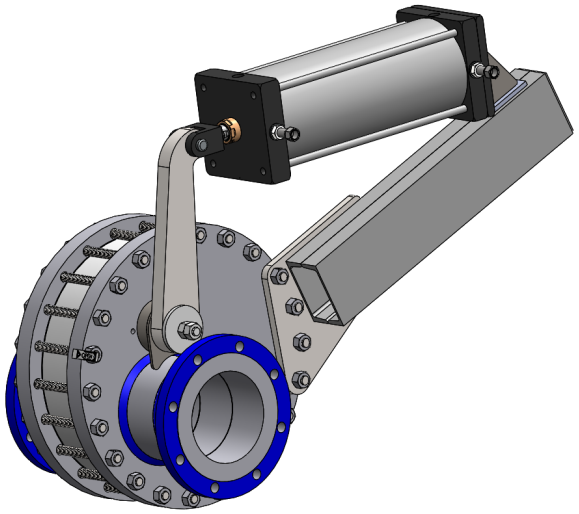
Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	245	330	415	70	500
20% Slurry (1)	195	280	365	20	355
50% Slurry (1)	180	265	350	5	310
75% Slurry (1)	165	250	335	NR	260
100% Slurry	145	230	315	NR	200

Notes:

1. For vertically positioned valves in slurry service, use 100% slurry value. For solid columns, Consult factory
2. All air cylinder values in Table include a Safety Factor of 1.5.
3. Gear, hydraulic or electric operators can be sized per customer specs as applicable - consult factory.
4. Consult Everlasting for higher differential pressures or for any clarifications.

8” Specialty Process Valves

PRO Series: Pipe Size: 8” - CLASS 150 & 300 SD, DD, LD SERIES

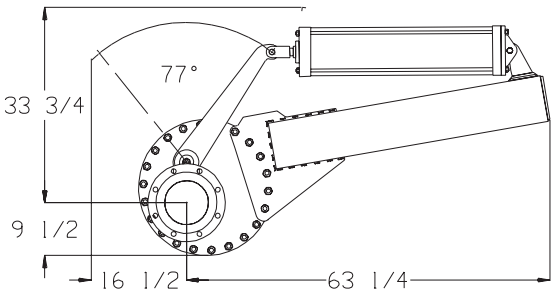


Technical Specifications

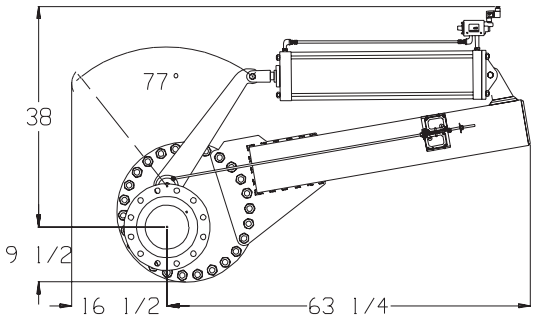
Face to Face:	CL150; 20.5”, CL300 is 23.25”
Rating:	L150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless Steel Cast Stellite #6
Seats & Discs:	SD (Single Disc) shown at left
Configurations:	DD (Double Disc) bottom left LD (Lens Disc) bottom right
Operators:	Hand-wheel; Air Cylinder
Accessories:	Limit Switches;Solenoid Fail Safe (Air Reservoir & Solenoid).
Valve Flow Coefficient (Cv)	4920

Notes:
All valves are supplied with one 3/8" Purge/Drain connection.

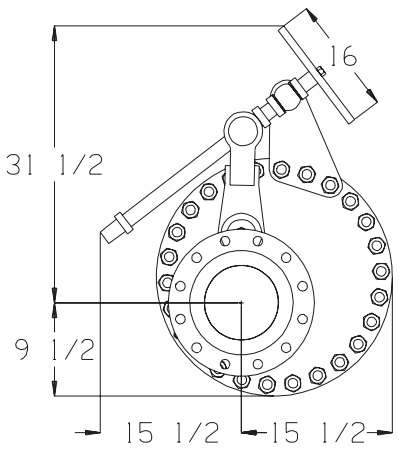
Dimensions (inches)



AIR CYLINDER OPERATO R



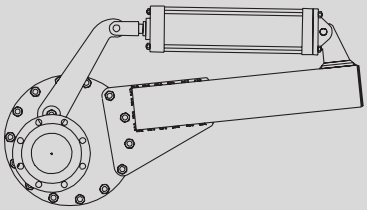
A/C WITH LIMIT SWITCHES & SOLENOID

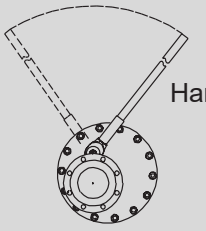


HANDWHEEL OPERATOR

Operator Options

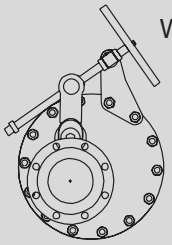
Cylinder





Hand Lever

Wheel



Specialty Process Valves

PRO Series: Pipe Size: 8” - CLASS 150 & 300 SD, DD, LD SERIES

8”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

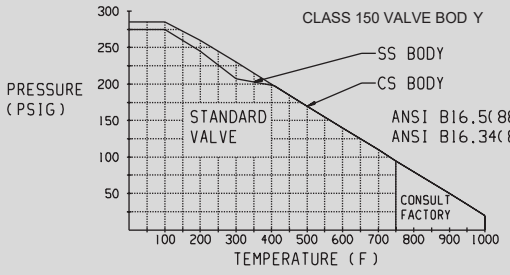
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

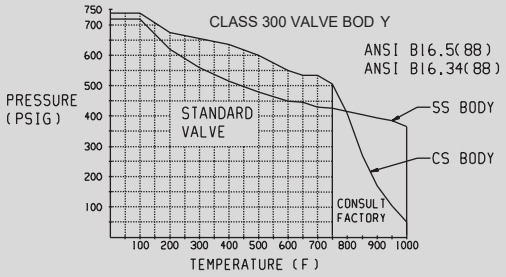
SD	8	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Con-nection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





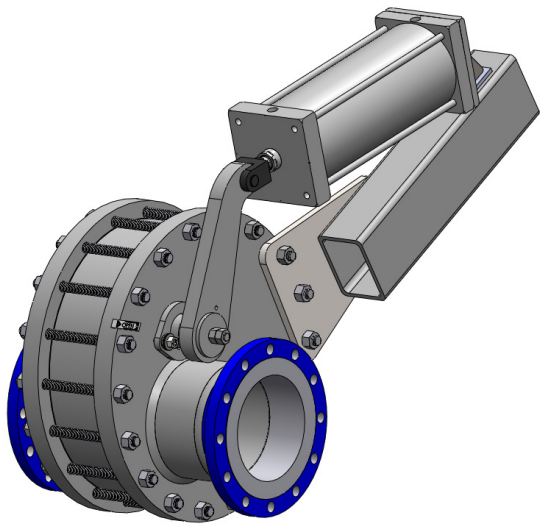
Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	165	220	275	275	500
20% Slurry (1)	115	170	225	200	355
50% Slurry (1)	100	155	210	180	310
75% Slurry (1)	85	140	195	190	260
100% Slurry	65	120	120	135	200

Notes:

1. For vertically positioned valves in slurry service, use 100% slurry value. For solid columns, Consult factory
2. All air cylinder values in Table include a Safety Factor of 1.5.
3. Gear, hydraulic or electric operators can be sized per customer specs as applicable - consult factory.
4. Consult Everlasting for higher differential pressures or for any clarifications.

10” Specialty Process Valves

PRO Series: Pipe Size: 10” - CLASS 150 & 300 SD, DD, LD SERIES

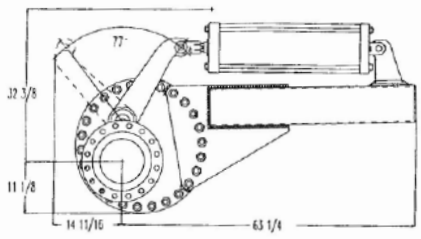


Technical Specifications

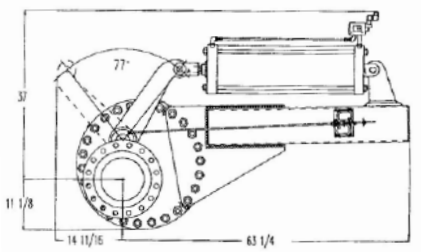
Face to Face:	CL150; 24”, CL300 is 28.5”
Rating:	L150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless Steel Cast Stellite #6
Seats & Discs:	SD (Single Disc) shown at left
Configurations:	DD (Double Disc) bottom left LD (Lens Disc) bottom right
Operators:	Hand-wheel; Air Cylinder
Accessories:	Limit Switches;Solenoid Fail Safe (Air Reservoir & Solenoid).
Valve Flow Coefficient (Cv)	4920

Notes:
All valves are supplied with one 3/8" Purge/Drain connection.

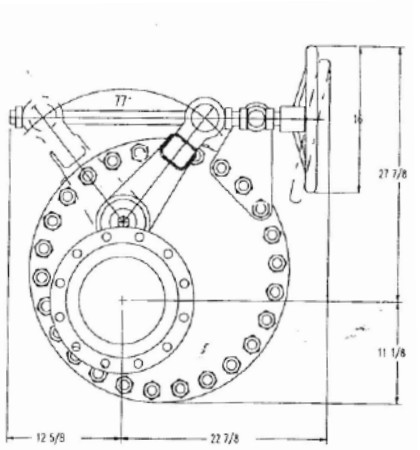
Dimensions (inches)



AIR CYLINDER OPERATOR



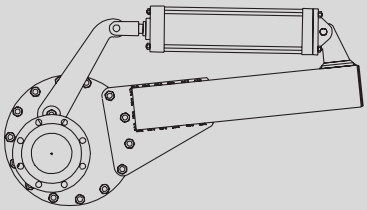
A/C WITH LIMIT SWITCHES & SOLENOID

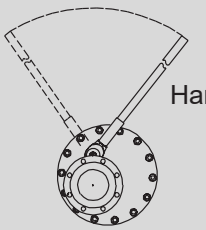


HANDWHEEL OPERATOR

Operator Options

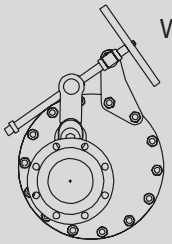
Cylinder





Hand Lever

Wheel



Specialty Process Valves

PRO Series: Pipe Size: 10” - CLASS 150 & 300 SD, DD, LD SERIES

10”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

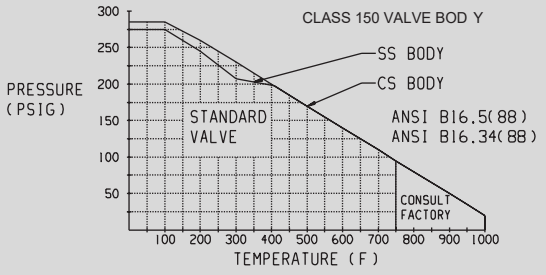
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

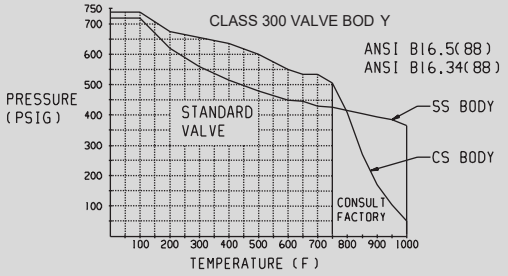
SD	10	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Connection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





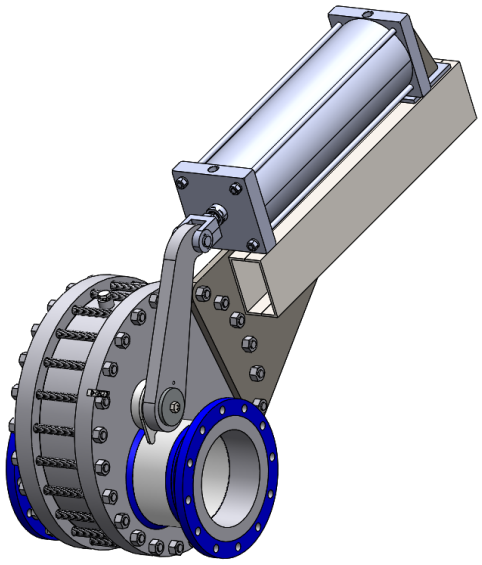
Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	125	170	215	275	500
20% Slurry (1)	75	120	165	200	335
50% Slurry (1)	60	105	150	180	310
75% Slurry (1)	50	95	140	190	260
100% Slurry	25	70	115	135	690

Notes:

1. For vertically positioned valves in slurry service, use 100% slurry value. For solid columns, Consult factory
2. All air cylinder values in Table include a Safety Factor of 1.5.
3. Gear, hydraulic or electric operators can be sized per customer specs as applicable - consult factory.
4. Consult Everlasting for higher differential pressures or for any clarifications.

12” Specialty Process Valves

PRO Series: Pipe Size: 12” - CLASS 150 & 300 SD, DD, LD SERIES

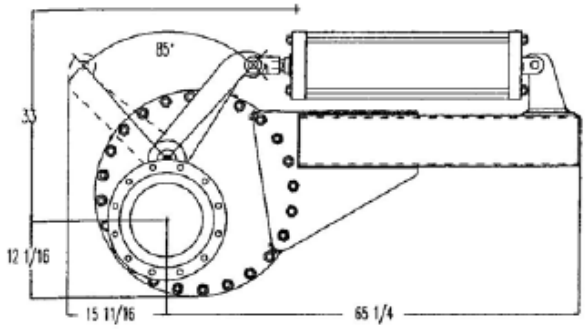


Technical Specifications

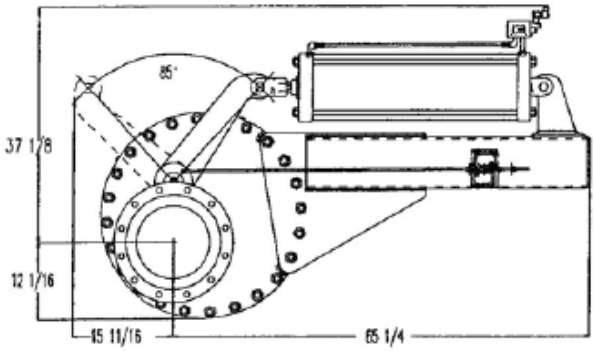
Face to Face:	CL150; 26”, CL300 is 30”
Rating:	L150 & CL300 ANSI B16.34
Temp. Range:	-20 F to 750 F
Ends:	RF Flanged
Body:	Carbon Steel & 316 Stainless Steel Cast Stellite #6
Seats & Discs:	SD (Single Disc) shown at left
Configurations:	DD (Double Disc) bottom left LD (Lens Disc) bottom right
Operators:	Hand-wheel; Air Cylinder
Accessories:	Limit Switches;Solenoid Fail Safe (Air Reservoir & Solenoid).
Valve Flow Coefficient (Cv)	4920

Notes:
All valves are supplied with one 3/8" Purge/Drain connection.
Customer specifications needed for hand-wheel drawing

Dimensions (inches)



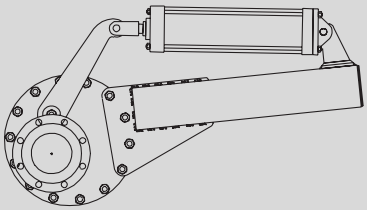
AIR CYLINDER OPERATOR

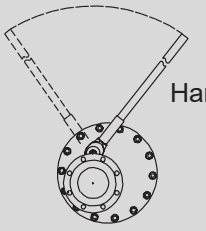


A/C WITH LIMIT SWITCHES & SOLENOID

Operator Options

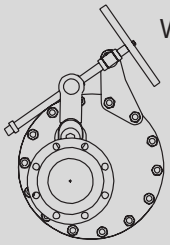
Cylinder





Hand Lever

Wheel



Specialty Process Valves

PRO Series: Pipe Size: 12” - CLASS 150 & 300 SD, DD, LD SERIES

12”

Ordering Matrix

Select the configuration to build your PRO Series Valve.

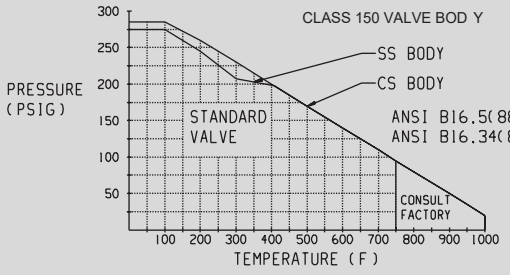
The functionality of the PRO Valve can be determined by the model matrix below. Design consideration for application will determine internal material requirements for packing, disc and seat. Utilize the guide below to select the best valve configuration for the application.

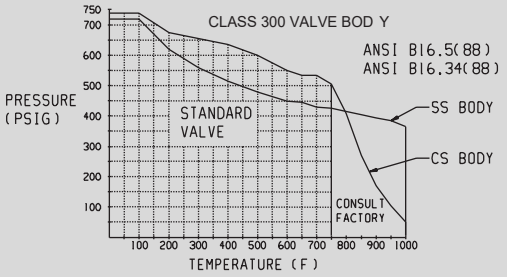
SD	12	C	C3	1	N	SA	FL	SV	NS	N	XP	N
PRO Series	Pipe Size	Body Material	Flange Drilling	Seat / Disc Material	Packing Material	Operator	Valve Connection	Solenoid Valve	Switch	Junction Box	Area Class	Special Request

Type	Option		Description
PRO Series	SD	=	Single Disc Valve
	DD	=	Double Disc Valve
	LD	=	Lens Disc Valve
	LB	=	Lock Bar Valve
Pipe Sizes	1	=	1” Pipe
	1.5	=	1.5” Pipe
	2	=	2” Pipe
	3	=	3” Pipe
	4	=	4” Pipe
	6	=	6” Pipe
	8	=	8” Pipe
	10	=	10” Pipe
	12	=	12” Pipe
	X	=	Other Upon Request
Body Material	C	=	Carbon Steel
	SS	=	316 Stainless Steel
	X	=	Upon Request
Flange Drilling	C1	=	CL150
	C3	=	CL300
	X	=	Upon Request
Seat & Disc Material	1	=	Stellite #6
	9	=	Other
Packing Material	T	=	Teflon Upon Request)
	N	=	High Temperature (Standard)

Type	Option		Description
Operator	SA	=	Single Acting Air Cylinder
	DA	=	Double Acting Air Cylinder
	SE	=	Electric Actuator
	HW	=	Hand-wheel
	LE	=	Lever
	ST	=	Hydraulic
Valve Connection	FL	=	Flanged
	LG	=	Lugged
Solenoid Valve	SV	=	EV Standard Solenoid
	N	=	None
	SZ	=	Other
Voltage	110	=	110V AC
	24	=	24V DC
	NS	=	No SOV
Switches	GO	=	Proximity Switches
	TS	=	Topworx (Beancon) Switch
	N	=	None
Junction Box	JB	=	Junction Box
	N	=	None
Area Class	XP	=	Explosion Proof
	GP	=	General Purpose
Special	ZZ	=	Anything not included in above
	N	=	None
	TU	=	SS Compression fittings & Tubing

Air Cylinder Performance





Fluid	CYL Air. @ 60 PSI	CYL Air. @ 80 PSI	CYL Air. @ 100 PSI	Wrench	Hand-wheel
Clean Fluid	135	185	235	275	Full Rating
20% Slurry (1)	85	135	185	200	Full Rating
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4. Consult Everlasting for higher differential pressures or for any clarifications.

RESOURCE SECTION


DT33608P4G
BMPD3
BMPD2
BMPD1
DR45612P6G
DT33608P4G

Frequently Asked Questions

Everlasting Valves

Valve Information

Our company manufactures four different types of valves that are designed to meet the needs of a huge range of severe applications. We manufacture a process valve that's ANSI Class rated for handling dry abrasives and slurries to 1500°F and up to 10,000 psi. The process valve is fully customizable and available in virtually any body material, trim, or actuator. Our bulk material valve, or BMV, is designed to handle dry abrasives in pressures up to 100 psi. It is available in single or bi-directional sealing, in cast iron or carbon steel for temperatures up to 550°F or in carbon steel only for temperatures up to 750°F. We also manufacture a diverging/converging valve in cast iron or fully customizable fabricated designs for handling of dry abrasives and slurries. Our steam-boiler-blowdown valves, the first valves produced by Everlasting Valve, meet ASME/ANSI Boiler & Pressure Vessel Code for blow-off service. Our valves can replace ball valves, gate valves, globe valves, and pinch valves in a variety of applications.

Valve Design

Nope! Our open-body design allows fines to move about freely, preventing accumulation that binds up moving parts and damages seats in other valve designs. As the rotating discs cycle through the body, they displace the media that's swirling about the valve so that it's cleanly discharged.

The materials we work with are exceptionally harsh and abrasive. What kinds of materials can your valves handle?

Our valves literally have never met a material they can't handle. Battle-tested in the toughest, harshest industrial apps in the world, from hot-catalyst handling to fluid-catalytic cracking, our valves can handle any type of slurry, dry solid, sludge, abrasive, or other erosive material you can throw at them, and they'll just keep coming back for more, year after year, even decade after decade! Gate valves, ball valves, and other valves are simply no match for an Everlasting valve.

How does disc rotate?

The actuator moves the post and lever arm, which drives the disc. The entire sealing surface of the disc is constantly in contact with the seat through force exerted by springs. These springs allow the disc to move vertically, which compensates for thermal expansion and contraction of the valve's components—also overcoming the effect of any back pressure for which it was designed—and prevents particles from lodging between the sealing surfaces. Differences in tangential disc-to-seat-friction forces cause the disc to rotate on its seat as the valve cycles, thereby shearing and wiping away any process material that may accumulate while also polishing the sealing surfaces.

What temperature extremes can your valves handle?

Our valves are rated to handle extremely low temps, down to -50oF as well as extraordinarily high temps all the way up to 1500oF and everything in between!

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Do you have a valve currently in service in my application?

valves, globe valves, or pinch valves are currently in use, there are Everlasting valves in the same types of applications, doing a better job at handling the abrasive media that even the toughest environments throw at them. We design and build custom valves for virtually all types of severe-service applications, so it's a sure bet our valves will meet your industrial-plant needs. Want to hear more about some real-life examples? Just give us a call!

Can you come to my site and discuss my requirements?

Yes! That's generally our first step whenever we're called in to customize a valve for a customer. This way, we're able to evaluate your unique plant environment and learn about your needs and challenges first-hand.

I do not see a valve that meets my needs/fits my application. Do you design and manufacture special valves?

Yes! Our valve technology is based on an extremely flexible design, and our engineering team is exceptionally talented. We're confident we can custom-build a valve that will meet your needs. Please complete the Request for Quote form and we will be happy to discuss it with you and develop a valve design to meet your requirements.

Compliance & Standards

Everlasting Valves

Everlasting Valve Company is commitment to quality is evident in everything we do, from raw material receipt to how we support our customers years after they purchase our products. Our brands are registered to ISO 9001 international quality standard, which requires compliance with standards for management, administration, product development, manufacturing, and continuous improvement.

ISO 9001:2015 certified by DNV

ISO 9001 international quality standard, which requires compliance with standards for management, administration, product development, manufacturing and continuous improvement. Our registration verifies that the Everlasting Valve company has adopted and maintains documentation for processes ranging from suppliers to customers, inspection, handling and training. ISO 9001 also requires periodic internal and external audits to ensure all aspects of work affecting quality control are monitored.

ASME B30.1 and ASME B40.1

Everlasting Valve company comply with the criteria set forth in the American Society of Mechanical Engineers standards.

The valves are designed in accordance with the following industry standards: ASME B31.3; ASME Section VIII, Division 1; ASME Section VIII, Division 2.Everlasting Valves and actuating systems can be supplied with the CE stamp in accordance with the European Pressure Equipment Directive (PED) and comply with the European Directive for Equipment and Protective Systems in potentially Explosive Atmospheres (ATEX). Other certifications are available upon request.

Boiler Blow-down valves adhere to:

ASME SECTION 1 - Power Boilers

ANSI B31.1 - Power Piping

ANSI B16.1 - Cast Iron flanges and Flanged Fittings

ANSI B16.34 - Valves– Flanged, Threaded & W.E.

CE & UKCA Mark

Everlasting Valve Company is committed to designing, manufacturing and marketing products that meet or exceed the needs of the customers we serve. Everlasting Valve Company supplies a Declaration of Conformity and the CE Marking / UKCA Marking for products that are within the scope and conform to at least one European Community CE Regulation or Directive, respectively a relevant UK Statutory Instrument. Note : Not all products are within such scope and subsequently may not be eligible to carry a CE / UKCA mark. In such cases and if a confirmation regarding the safety and/or applicability of the product is requested, please contact the factory for clarification (e.g. Manufacturer Declaration). Please note that such a request must be submitted at the time a product is ordered.

Request For Quote Requirements

Everlasting Valves

Date: **Request For Quote**

Contact: Email:

Company: Contact Phone:

Address: FAX:

City/State/Postal Code/Country:

Estimated Purchase Date: Budgetary Pricing: Yes or No *

Project Name:

Location of valve installation (City, State. Country, Unit)

Valve

Type: Process Valve ☐ Bulk Material Valve (BMV) ☐ Diverter ☐ Angle *

Valve Size(s) Quantity: Potential Quantity:

End Connection: Flanged ☐ Other ☐ ANSI Class (select one) *

Pipeline Orientation: * Angle: degrees Application: *

Body Material: Carbon Steel ☐ Cast Iron (BMV or Diverter Only) ☐ Other

Shell/Seat Test: *EV Standard ANSI B16.34, MSSP61 (Hydrostatic)* ☐ Other:

Process

Solid Media going through the valve: % Solids

Process Fluid/Gas: Material Head:

Media Properties: Particle Size Bulk Density:

Media Temperature at Valve (deg F/C): Operating Design

Pressure (psi/bar/kPa): Operating Design

Closed (psi/bar/kPa): P1 P2

Just Prior to Opening (psi/bar/kPa): *(Important)* P1 P2

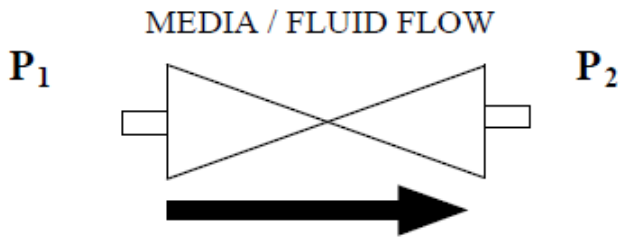
Close on Static Column of Material: *

Cycle Rate: cycles per *

Normally: Open or Closed *

Flow Direction if not Horizontal (select one below):

Vertical/Angle Flow: Select Up or Down *



Request For Quote Requirements

Everlasting Valves

Actuator

Double Acting Pneumatic: ☐ Spring Return ☐ Minimum Supply (psig/bar/kPa)

Hydraulic Cylinder ☐ Lever ☐ Handwheel ☐

Electric ☐ Voltage

Fail-Safe Air Reservoir System ☐ Fail Open ☐ Fail Closed ☐

Accessories

Electrical Area Classification:

Solenoid: EV Standard (4-way Single Coil, 110 volts AC) ☐ Other Voltage:

Customer Specification Voltage

Switches: Mechanical Limit ☐ Integral Proximity ☐ Reed ☐

Customer Specification

For BMV Only: Double Ended Air Cylinder for Visual Indication: Yes or No *

Paint

EV Standard Latex (Blue): ☐ Latex with Zinc Primer: ☐ Marine ☐

Other: ☐ Attach Specification

Testing or Certification Requirements

Weld NDT ☐ NACE ☐ 3rd Party Inspection ☐ Other

PED ☐ *For PED the following information must be completed*:

Design Pressure Design Temperature

Fluid Type Fluid Group

Current Installed Valve: Life

Failure Mode

Additional Comments:

Attachments: Sketch/Drawing: ☐ Specifications: ☐

Measurement and Symbols

Everlasting Valves

Measurement and Symbols

Everlasting Valves

EVERLASTING VALVE COMPANY

WEARS IN, NOT OUT®

Service Excellence in Action

When you choose Everlasting Valve Company, you're not just selecting a product—you're gaining a partner dedicated to long-term performance and support. Our commitment to service extends far beyond standard maintenance or repair. It means timely access to our knowledgeable team of engineers and service professionals—ready to respond anytime, anywhere your operations demand.

At Everlasting, we pride ourselves on becoming an extension of your team. You can count on us to take ownership of every challenge and deliver practical, lasting solutions. When issues arise, our technical experts go beyond the symptoms to uncover the true cause. We evaluate your complete system to identify and resolve problems with precision and care.

Our comprehensive service approach is designed to maximize equipment reliability, enhance operational efficiency, and reduce total cost of ownership.

Contact us today for your next project!

Whether you are requesting a quote, need more information, or want to discuss customized valves that address your specific requirements, just let us know. Everlasting Valve is committed to providing prompt, responsive service, every time.

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South Plainfield, New Jersey 07080
908.769.0700
908.769.8697
info@evcousa.com
www.evcousa.com

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