

FLOWTREND 361-R SEAT VALVES

Body Styles: 10, 30, 21, 23, 41 and 43



Flowtrend® 361-R Seat Valve is a Flowtrend manufactured replacement for the Tri-Clover® 361 seat valve. Flowtrend's parts and products are not Alfa Laval® parts and products, and Alfa Laval® does not endorse, approve or warrant Flowtrend's parts or products, or their use.

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FLOWTREND

SMARTER, FASTER FLUID HANDLING SOLUTIONS

Flowtrend Replacement for the Tri-Clover® 361 Seat Valve

- Air-operated seat valve featuring the positive action of a short-stroke actuator with heavy-duty clamps and precision-molded bonnet gaskets
- Remote controlled by compressed air
- Sanitary, flexible design can be used as a stop valve with 2 – 3 ports or as a divert valve with 3 – 5 ports
- Simple moveable parts mean reliability
- Intended to be interchangeable with OEM.

Suitable For

High-volume sanitary liquid processing systems where correct alignment of a clean-in-place valve must be maintained under severe operating conditions.

Features

- Open yoke with visible valve stem coupler
- Single O-ring stem design, allows o-ring and stem groove to be cleaned and sanitized
- Valve porting is flush with the bottom surface to ensure full drainage of the valve body
- Highly polished wetted areas eliminate crevices that can trap and harbor bacteria
- Operates in temperatures of up to 285 ° [EPDM]
- Repairable actuator
- Standard stock item

Materials

Product wetted steel surfaces: Stainless steel AISI 316L

Finish: 32 Ra Standard ID

Plug stem: LP bonded Buna® or "TR" [PTFE replaceable]

Product wetted seals: NBR

Other seals: Buna

Product connections: Clamp and Butt Weld

Specifications

ACTUATOR FUNCTIONS

- Pneumatic downward movement, spring return [NO]
- Pneumatic upward movement, spring return [NC]

AIR SUPPLY

- Air pressure range for sizes 1" – 3" is 50 to 50 psi [normal] pressure greater than 50 psi to close against higher line pressures
- Air volume requirements, sizes 1" – 3" is 16 cubic inches
- Actuator can handle air supply



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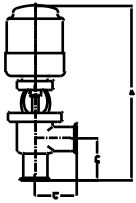
AIR LOADING

The additional air supply pressure needed to hold each additional 10 psi of product line pressure for Model 20 is:

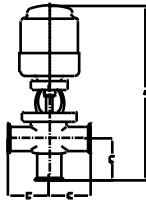
1 1/2"	:	1.0 psi
2"	:	2.0 psi
2 1/2"	:	3.0 psi
3"	:	4.5 psi

Dimensions

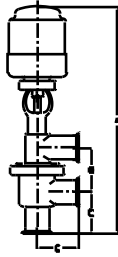
Dimensions for all Flowtrend 361-R Shut-Off/Divert valves with standard actuators are shown.



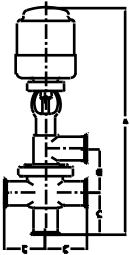
FLOWTREND 361-10-R



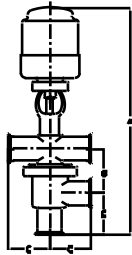
FLOWTREND 361-30-R



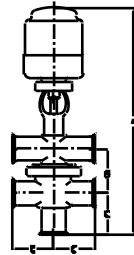
FLOWTREND 361-21-R



FLOWTREND 361-23-R



FLOWTREND 361-41-R



FLOWTREND 361-43-R

FLOWTREND 361-R SHUT-OFF & DIVERT VALVES

VALVE SIZE		A				B		C	
		Shut-Off Valves		Divert Valves		Divert Valves			
in	mm	in	mm	in	mm	in	mm	in	mm
1.5	38	14.10	358	17.99	457	3.35	85	2.76	70
2	51	15.04	382	19.49	495	3.78	96	3.50	89
2.5	63.5	15.28	388	20.24	514	4.21	107	3.47	88
3	76	15.91	404	21.26	540	4.76	121	3.78	96

Options

- Pneumatic upward and downward movement [A/A]
- Actuator for intermediate position of the valve plug
- Seals and gaskets of EPDM or FPM/FKM
- LP Bonded stem plug of EPDM or FPM/FKM
- Bonded stainless steel gasket



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