

# FLOWTRENDS 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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**FLOWTRENDS.COM**

# FLOWTRENDS

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 35 to 50 psi (normal)
- Air volume requirements, sizes 1" - 3" is 16 cubic inches
- Actuator can handle air supply pressure greater than 50 psi to close against higher line pressures

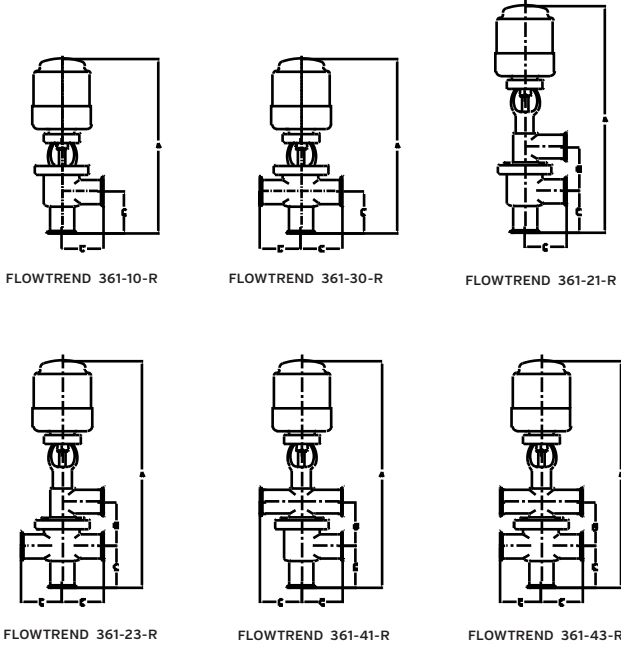
## AIR LOADING

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-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 [Viton®]
- LP Bonded stem plug of EPDM or FPM [Viton®]
- Bonded stainless steel gasket

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