

FLOWTREND 761-R SHUT-OFF & DIVERT VALVE



Flowtrend® 761-R Shut off and Divert valve is a Flowtrend manufactured replacement for the Tri-Clover® 761 Shut off and Divert 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® 761 Shut-off & Divert Valve

- Sizes: 1.0", 1.5", 2.0", 2.5", 3.0", 4.0"
- Actuators: Short Stroke and Long Stroke
- Actuator Types: Normally Open, Normally Closed, Air-to-Air
- Control Tops: Available for all sizes
- Seat Materials: Bonded Rubber or Teflon® Replaceable "TR"
- Elastomers: Buna, EPDM, SFY (Viton®), "TR" TFE Stem Seat
- Authorized to carry the 3-A symbol

MATERIALS OF CONSTRUCTION & OPTIONS

Materials	AISI 316 Stainless Steel, Wetted parts AISI 304 Stainless Steel, Non-Wetted parts
Surface Finish	ID: 32Ra Standard, 15 Ra Optional OD: 32Ra Standard, Glass Bead Optional
Plug stem	Bonded or "TR" (PTFE replaceable)
Elastomers	Buna®, EPDM, SFY (Viton®), "TR" TFE Stem Seat
End Connections	Tri-Clamp®, Butt-Weld, Other Upon Request

Key Feature: Repairable Actuator

REDUCED MAINTENANCE & COST

A standard feature of all Flowtrend air-actuated valves is minimal maintenance and Repairable Actuators.

The Flowtrend 700-R Series goes even further: The actuator stem and piston assembly are supported internally by PTFE split bushings which support the stem and reduces wear on the piston seal. The actuators have a "caged" spring which allows for maintenance without the use of a press. The springs have a special coating to prevent corrosion. The cylinder wall has been improved to a 3mm thickness to insure that the glide path of the cylinder is not affected by harsh exterior treatment.

ACTUATOR TYPES & SIZES AVAILABLE

Flowtrend Replacement for Tri-Clover® 700 Series Valve Non-Repairable Actuators Series (For Reference Only)

4.5" Short Stroke

REPLACES	ACTUATION	VALVE SIZE (in)	NOTES
25-436-S	Spring-to-Air	1.5-3	1, 2, 3
25-448B-S	Spring-to-Air	1	1, 2, 3
25-465-S	Air-to-Air	1.5-3	1, 2, 3
25-475-S	Air-to-Air	1	1
25-454-S	Mid-80S	1.5-3	

4.5" Long Stroke

REPLACES	ACTUATION	VALVE SIZE (in)	NOTES
25-428-S	Spring-to-Air	1.5-3	1, 2, 3
25-455-S	Spring-to-Air	1.5	1
25-455-S	Air-to-Air	1.5	1
25-466-S	Air-to-Air	1.5-3	1, 2, 3
25-468-S	Air-to-Air	2	1

6" Short Stroke

REPLACES	ACTUATION	VALVE SIZE (in)	NOTES
25-497-S	Spring-to-Air	4	1, 2, 3
25-519-S	Air-to-Air	4	1

6" Long Stroke

REPLACES	ACTUATION	VALVE SIZE (in)	NOTES
25-467-S	Spring-to-Air	4	1, 2, 3
25-467-S	Spring-to-Air	2.5-4	1
25-497-S	Spring-to-Air	2.5-3	1, 2, 3
25-517-S	Air-to-Air	4	1
25-517-S	Air-to-Air	2.5-4	1

1 Please specify Normally Open or Normally Closed
2 Actuator fits Flowtrend 761-R models
3 Actuator used on shut-off, divert and Y-body valves

FLOWTREND 761-R SHUT-OFF & DIVERT VALVE

APPLICATION

This air operated valve actuator is intended for use with all Flowtrend 700-R Series and Tri-Clover® 700 Series Valves. Its unique design offers a repairable option to the Tri-Clover® non-repairable actuator. Its heavy duty construction and precision components ensure positive alignment under severe conditions.

WORKING PRINCIPAL

The actuator is remotely controlled by means of compressed air. The actuator is completely repairable ensuring an unlimited lifetime and eliminating the need for costly replacement actuators after only a few years of use.

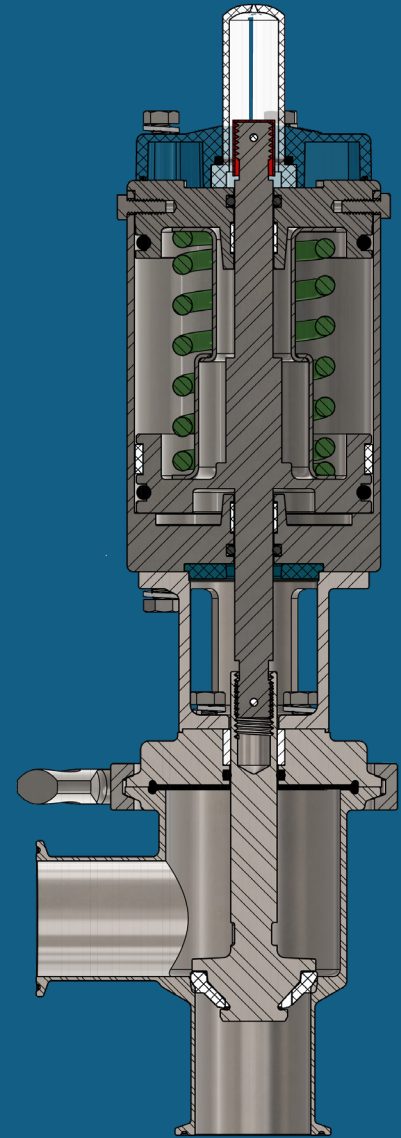
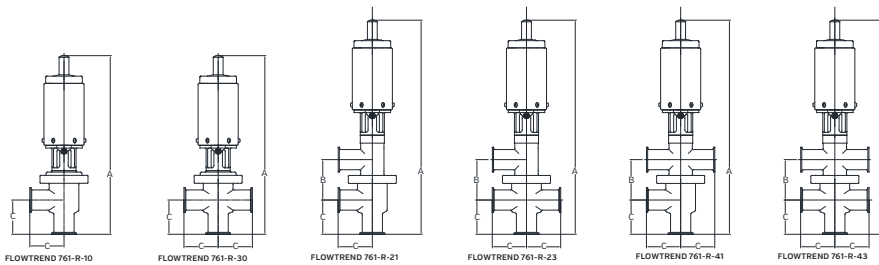
STANDARD DESIGN

Rugged and long-lasting stem bushings, coupled with PTFE split bearings ensure positive alignment and minimal friction during actuation. These features ensure even and limited wear of the piston seal. This eliminates any possible metal-to-metal galling while maintaining positive alignment. All exterior surfaces are 32Ra finish.

FUNCTIONS

- Normally Open (NO) Type 10 = Pneumatic downward movement, spring return
- Normally Closed (NC) Type 20 = Pneumatic upward movement, spring return
- Air-to-Air (A/A) Type30 = Pneumatic downward and upward movement

VALVE TYPES & DIMENSIONS



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VALVE SIZE TUBE (OD)		A								B		C	
		Shut-Off Valves				Divert Valves				Divert Valves			
		Short		Long		Short		Long					
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
1	25	14 7/8	378	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2 1/2	64
1 1/2	38	17 3/4	451	19 3/32	485	21 5/32	541	24 1/4	616	4 5/8	117	2 3/4	70
2	51	18 5/16	465	19 5/8	498	22 1/2	571	25 1/2	648	4 1/8	105	3 1/2	89
2 1/2	63 1/2	18 1/4	463	19 9/16	497	22 1/2	571	25 1/2	648	4 1/2	114	3 1/2	89
3	76	18 3/4	476	20 1/32	509	23 1/2	597	26 1/2	673	5	127	3 3/4	95
4	102	24 9/16	623	31 3/32	790	31	787	37 3/32	942	6	152	4	102

*Contact Flowtrend for Y-body dimensions.

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