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Find the *Alfa Laval / Tri-Clover 761-21M-29S11/2E316L* at our website: ***Click HERE***

741/761 Shut-Off & Divert Valves



Materials of Construction

Material:	316L Stainless Steel - Wetted valve materials 304 Stainless Steel - Non-wetted parts
Finish:	**ID:** 32 Ra Standard, 15-32 Ra Optional **OD:** 32 Ra Standard, Glass Bead Optional
Elastomers:	Buna, EPDM, SFY, "TR" PTFE, PTFE Sandwich
End Connections:	Tri-Clamp®, Butt-weld, Bevel Seat, Other process connections

General Service Ratings

"TR" Seats	200°F max.
Molded Buna Seats	190°F max.
Steam Service Applications	SFY: 350°F max. EPDM: 300°F max.

Control Options

All 700 Series valves are available with an innovative control top housing option. Easily installed by replacing the standard visual valve position indicator, the versatile housing provides valve position feedback by accommodating mechanical and proximity switches. Thus, internal modifications are not necessary.

Additional flexibility can be achieved by installing a solenoid in the control housing. The solenoid decentralizes valve regulation from a main control panel to individual control modules, significantly improving response time, and potentially reducing installation costs.

And for the ultimate in fast, responsive computer control, 700 Series valves are also available with e:Top™, a computer-operated process control system compatible with all popular industry host controls and PLCs.

Elastomers

Buna	Max 190°F (88°C)
"TR" PTFE	Max 200°F (93°C)
EPDM	Max 300°F (149°C)
SFY	Max 350°F (177°C)
PTFE Sandwich	Max 250°F (121°C)

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700 Series Air-Actuated Valves
761/741 Shut-Off & Divert Valves

Reduced Maintenance

A standard feature of all Tri-Flo air-actuated valves is minimal maintenance. The 700 Series goes even further: Stem seals and bushings are constructed of durable metals; maintenance time and costs are reduced because they're easy to replace and promote long life. There's also more clearance between the valve stem and bonnet, allowing more efficient, thorough cleaning.

Valve Finish Options

The 761 and 741 valves are identical. The only difference is the finish on the 761, which makes it ideally suited for sanitary processing applications. The 761 short stroke is designed for handling liquids in dairy, food, brewery and beverage processing plants, and for use in CIP or take-down services.

The 741 general service valve features a polished I.D./unpolished O.D. finish on the valve yoke and body. Applications include products like fats, pigments, and solvents. The 741 is also recommended for use on CIP solution lines.



General Service Rating

"TR" Seats — up to 100 psi (6.9 bar) @ 200° F (93°C).

Molded Buna Seats — up to 100 psi (6.9 bar) @ 210° F (99°C) using Buna N bonnet gasket. (If higher pressure or temperature ratings are required, contact Tri-Clover for recommendations.)

Steam Service Applications — SFY elastomer or EPDM are recommended. Both rated up to 35 psi (2.4 bar) @ 260° F (127°C).

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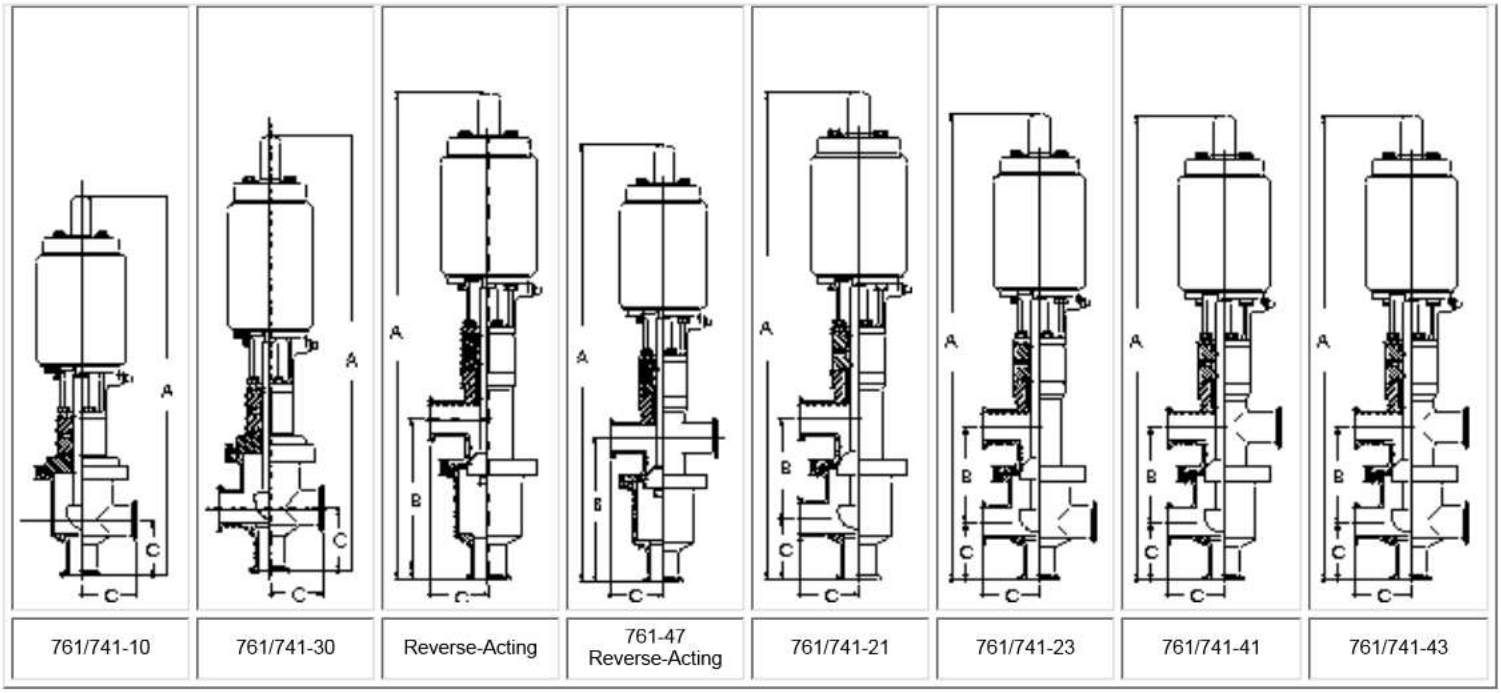
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761/741/861 Series Valve (Divert Style)

(Reverse Acting Divert Valves use above tables)

To avoid water hammer and damage to the valve, the Divert style valve should not switch positions with more than 30 psi differential product pressure. Once the valve has actuated, it should not see more than 100 psi of product pressure.

Dimensions



761/741-10	761/741-30	Reverse-Acting	761-47 Reverse-Acting	761/741-21	761/741-23	761/741-41	761/741-43

761 and 741 Shut-Off and Divert Valves

Valve Size (Tube OD)		A**								B				C	
		Shut-Off Valves				Divert & Reverse-Acting Shut-OFF Valves				Divert Valves		Reverse-Acting Shut-OffValves			
		Short		Long		Short		Long							
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1	25	$14\frac{7}{8}$	378	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2½	64
1½	38	$17\frac{1}{8}$	435	$21\frac{3}{32}$	536	$20\frac{23}{32}$	526	$24\frac{11}{16}$	627	$4\frac{5}{8}$	117	$7\frac{3}{8}$	187	2¾	70
2	51	$17\frac{5}{8}$	448	$21\frac{19}{32}$	548	$21\frac{3}{16}$	538	$25\frac{5}{32}$	639	$4\frac{1}{8}$	105	$7\frac{5}{8}$	194	3½	89
2½	63.5	$17\frac{9}{16}$	446	$21\frac{17}{32}$	547	$21\frac{27}{32}$	555	$25\frac{13}{16}$	656	4½	114	8	203	3½	89
3	76	$18\frac{1}{16}$	459	$22\frac{1}{32}$	560	$22\frac{27}{32}$	580	$26\frac{13}{16}$	681	5	127	8¾	222	3¾	95
4	102	$24\frac{31}{32}$	634	$31\frac{3}{32}$	790	31	787	$37\frac{3}{32}$*	942	6	152	N/A	N/A	4	102

*Not available in reverse-acting style

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761 and 741 Shut-Off and Divert Valves with Variable Mid-Position "80S" Actuator

Valve Size (Tube OD)		A**				B		C	
		Shut-Off Short		Divert Valves Short					
in	mm	in	mm	in	mm	in	mm	in	mm
1½	38	17¾	451	23 5/16	592	4 5/8	117	2¾	70
2	51	18¼	464	23 9/16	598	4 1/8	105	3½	89
2½	63.5	18 3/16	462	23 15/16	608	4½	114	3½	89
3	76	18 11/16	475	24 11/16	627	5	127	3¾	95

** For valves with control housings, add the following to dimension A:
1" valve sizes - 1" (25 mm) - add 1 9/16" (40mm)
short-stroke sizes - 1½"-3" (38-76 mm) - add 1 9/16" (40 mm)
long-stroke sizes - 1½"-4" (38-102 mm) - add ¾" (19mm)

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