

3/2-Way Valve

with metal actuator

7080

1/2" up to 1 1/2"



Pneumatically operated 3/2-way valve for the control of neutral and slightly aggressive media.
(Stainless steel version, data sheet Type 7081)

- Compact design
- Unaffected by lightly contaminated media
- For temperatures from -22°F up to +392°F
- Working pressure up to 235 psi

Technical Information

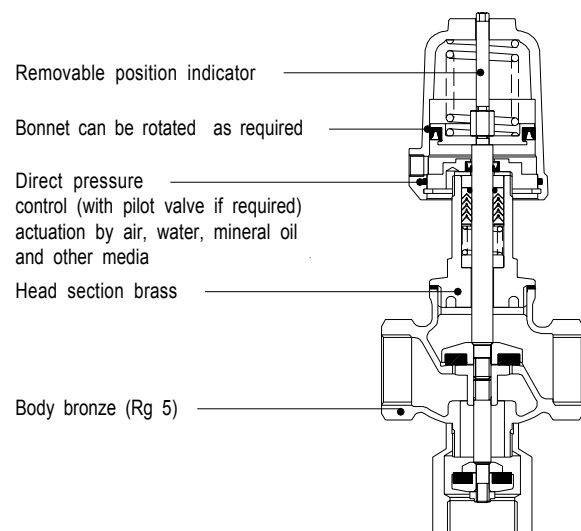
Body material	Bronze
Nominal sizes	1/2" - 1 1/2"
Connections	NPT thread
Nominal pressure	235 psi
Fluid temperature	-22°F to +338°F optional up to +392°F
Ambient temperature	-22°F to +140°F
Viscosity of the media	maximum 600 mm ² /s (600cSt, 80°E)



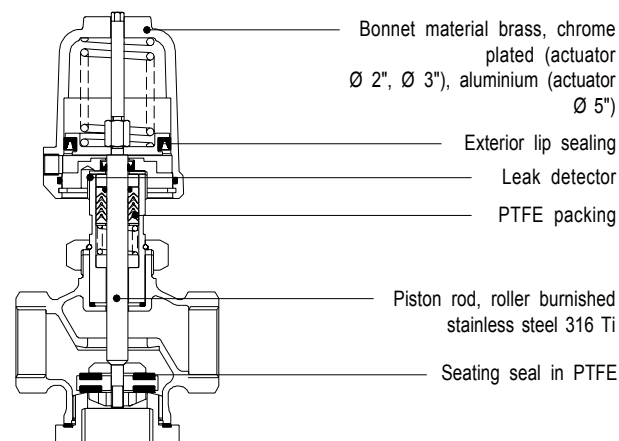
Options

- limit switches
 - inductive proximity switches
 - mechanical limit switches
- solenoid valves
- manual override
- O₂-cleaned version

normal function, normally closed

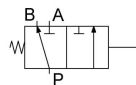


diverting and mixing function

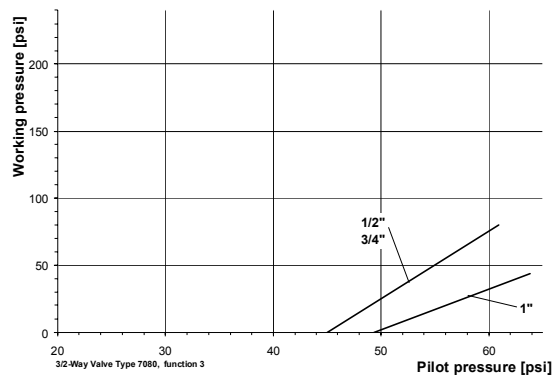


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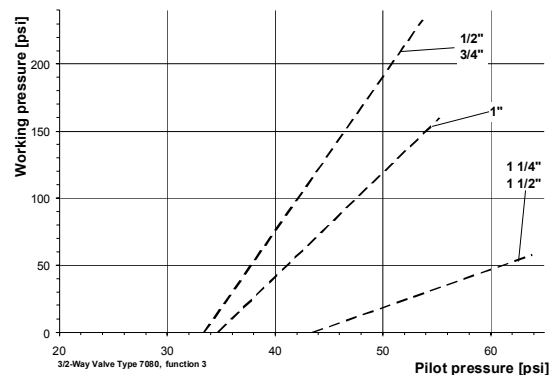
3/2-way valve, diverting function (3)



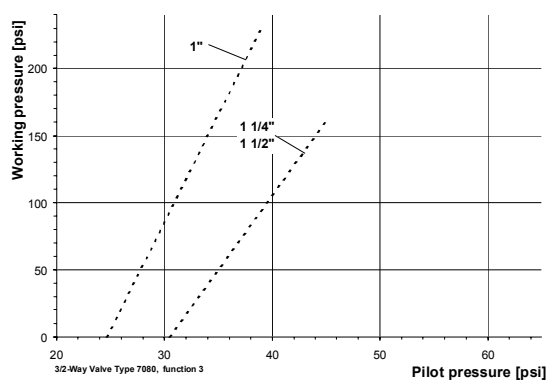
Actuator diameter 2"



Actuator diameter 3"

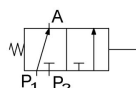


Actuator diameter 5"



The pressures are calculated for the worst case to hold the pressure differences in each position.

3/2-way valve, mixing function (4)

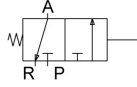


Size	P _{max} psi	Pilot pressure psi	Actuator inch
1/2"	0 - 50	65 - 145	2"
1/2"	0 - 235	60 - 90	3"
3/4"	0 - 50	65 - 145	2"
3/4"	0 - 235	60 - 90	3"
1"	0 - 20	65 - 145	2"
1"	0 - 140	65 - 90	3"
1"	0 - 235	45 - 50	5"
1 1/4"	0 - 60	75 - 130	3"
1 1/4"	0 - 130	50 - 75	5"
1 1/2"	0 - 60	75 - 130	3"
1 1/2"	0 - 130	50 - 75	5"

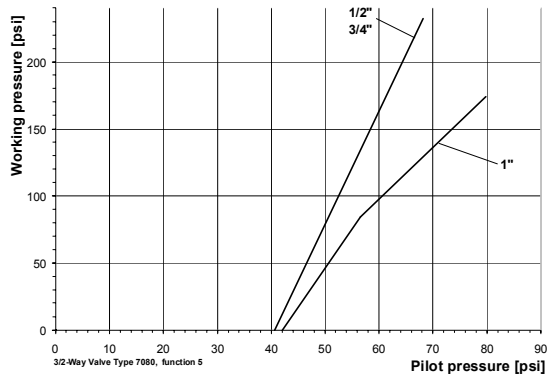
The valve may be used up to the nominal pressure of 232 psi, if the difference pressure between P1 and P2 does not exceed the admissible maximum value of ΔP_{max} .

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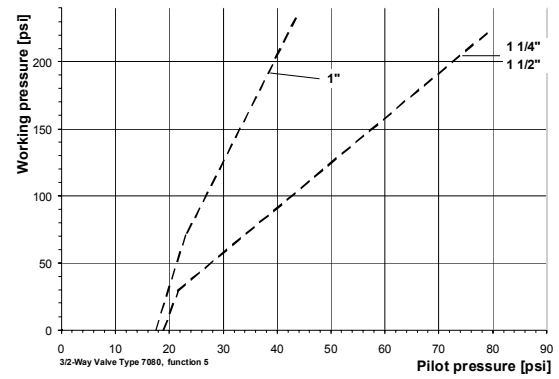
3/2-way valve, normally closed (5)



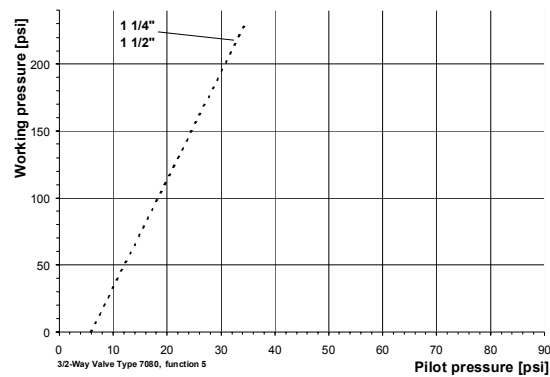
Actuator diameter 2"



Actuator diameter 3"

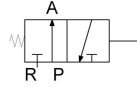


Actuator diameter 3"

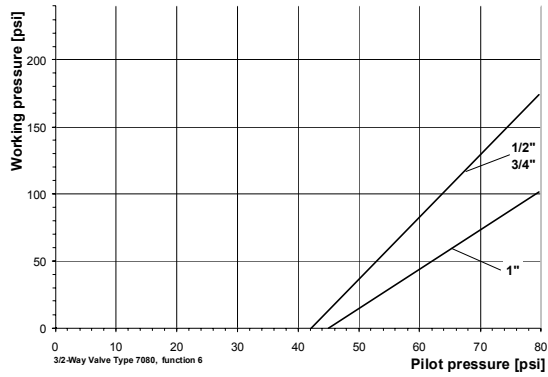


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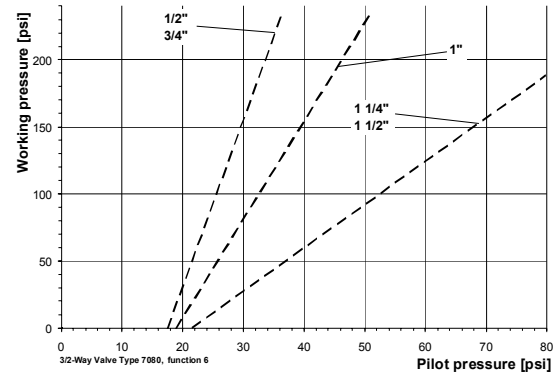
3/2-way valve, normally open (6)



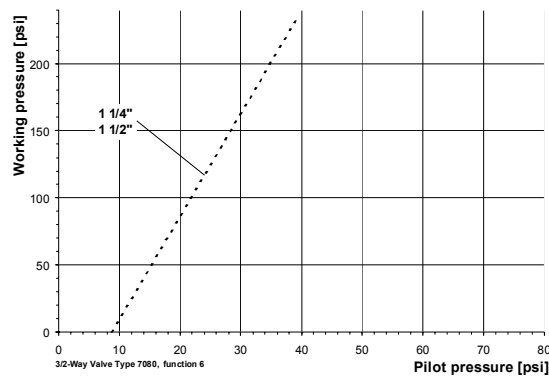
Actuator diameter 2"



Actuator diameter 3"



Actuator diameter 3"



SCHUBERT SALZER
INC.

[illegible]

7 - 12: Quote only if required.

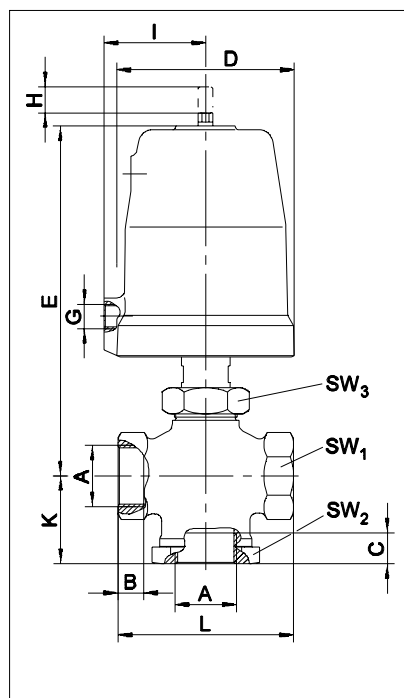
1. Body type		2. Connection		3. Body material		4. Seating seal		5. Pilot function		6. Actuator	
3	3/2-way, diverting function	5	NPT-thread	1	Bronze	0	PTFE	0	spring closes (function 3/4/5 only)	7	Piston 2" (NPT)
4	3/2-way, mixing							1	spring opens (function 6 only)	8	Piston 3" (NPT)
								3	double acting	9	Piston 5" (NPT)

7. Springs		8.		9. Packing		10. Temperature version		11. Accessories		12. Special versions	
-	Standard	-	without significance	-	Standard	-	Standard	-	No accessories	S	Special versions
						H	High temperature version	1	Electrical position indicator with one switch		
						V	Viton exterior lip sealing	2	Electrical position indicator with two switches		
								3	Manual emergency operation		
								4	Additional manual operation		
								5	Stroke limitation		
								6	Pilot valve DN 2, 230 V AC		
								7	Pilot valve DN 2, 24 V DC		
								K	Electr. position indicator compact		
								M	Position indicator with two ind. switch 10 - 36 V DC (PNP)		
								P	Position indicator with one ind. switch 10 - 36 V DC (PNP)		
								T	Position indicator compact, inductive 10 - 30 V DC (PNP)		

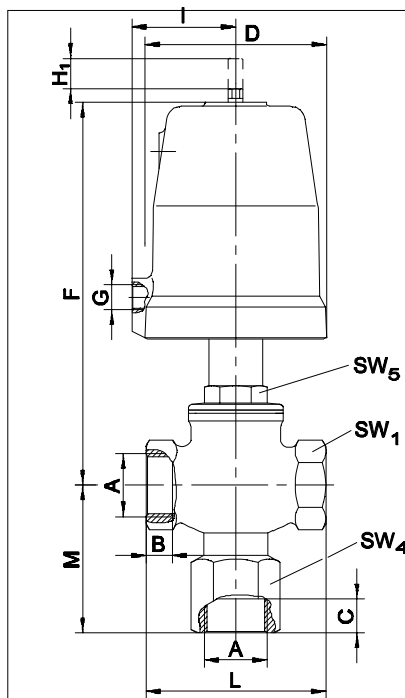
3/2-way valve 1", normal function, NPT thread, body material bronze, PTFE seat material, diverting function, actuator 3", pilot valve 24 V DC.

3/2-Way Valve 7080

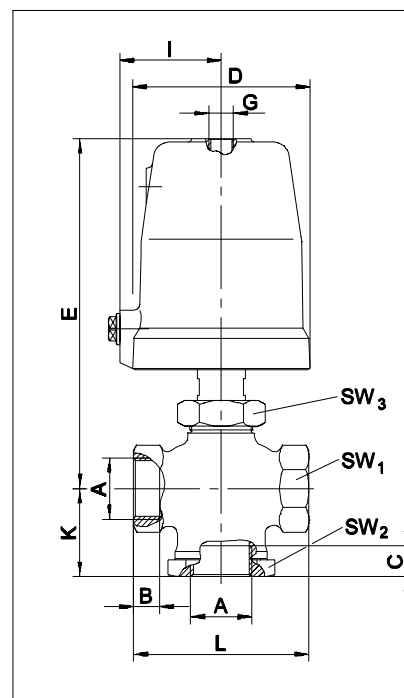
Dimension and Weights



**diverting and
mixing function**



**normal function,
normally closed**

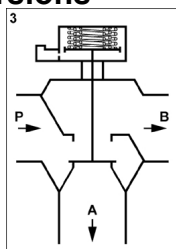


**normal function,
normally open**

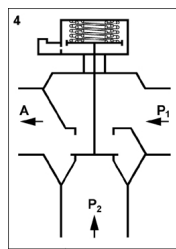
Size	piston	A	B	C	C NPT	D	E	F	G	H stroke	H1 stroke	I	K	L	M	SW1	SW2	SW3	SW4	SW5	Cv value	Weight lbs
15	2"	1/2"	0,5	0,5	0,6	2,45	6	5,8	G 1/8"	0,35	0,2	1,35	1,55	3,15	2,7	1,3	1,6	1,6	1,4	1,2	6,1	3,3
15	3"	1/2"	0,5	0,5	0,6	3,85	7,5	7,3	G 1/4"	0,35	0,2	2,15	1,55	3,15	2,7	1,3	1,6	1,6	1,4	1,2	6,1	6,8
20	2"	3/4"	0,5	0,65	0,6	2,45	6	5,8	G 1/8"	0,35	0,2	1,35	1,65	3,15	2,7	1,3	1,6	1,6	1,4	1,2	8,5	3,3
20	3"	3/4"	0,5	0,65	0,6	3,85	7,5	7,3	G 1/4"	0,35	0,2	2,15	1,65	3,15	2,7	1,3	1,6	1,6	1,4	1,2	8,5	6,8
25	2"	1"	0,55	0,65	0,7	2,45	6	6,5	G 1/8"	0,43	0,31	1,35	1,85	3,75	2,85	1,6	2,15	1,6	1,6	1,2	14,3	4,2
25	3"	1"	0,55	0,65	0,7	3,85	7,5	8,05	G 1/4"	0,43	0,31	2,15	1,85	3,75	2,85	1,6	2,15	1,6	1,6	1,2	14,3	7,7
25	5"	1"	0,55	0,65	0,7	5,75	8,45	9	G 1/4"	0,43	0,31	3,15	1,85	3,75	2,85	1,6	2,15	1,6	1,6	1,2	14,3	12,3
32	3"	1 1/4"	0,7	0,75	0,75	3,85	8,2	8,3	G 1/4"	0,73	0,35	2,15	2,4	5,2	3,65	2,3	2,95	1,6	2,15	1,25	23,2	10,6
32	5"	1 1/4"	0,7	0,75	0,75	5,75	9,15	9,25	G 1/4"	0,73	0,35	3,15	2,4	5,2	3,65	2,3	2,95	1,6	2,15	1,25	23,2	14,7
40	3"	1 1/2"	0,7	0,75	0,75	3,85	8,2	8,3	G 1/4"	0,73	0,35	2,15	2,4	5,2	3,65	2,3	2,95	1,6	2,15	1,25	26,7	10,6
40	5"	1 1/2"	0,7	0,75	0,75	5,75	9,15	9,25	G 1/4"	0,73	0,35	3,15	2,4	5,2	3,65	2,3	2,95	1,6	2,15	1,25	26,7	14,7

Dimensions in inches

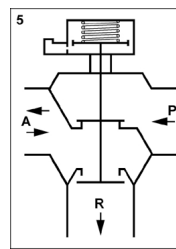
Versions



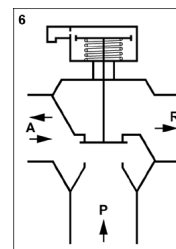
diverting function



mixing function



actuator: NC



actuator: NO