

3/2-Way Valve

7080

SCHUBERT & SALZER
**CONTROL
SYSTEMS**

DN 15 up to DN 40

**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 -30°C up to +200°C
- Working pressure up to 16 bar
- Versatile actuators in different sizes

Technical Information

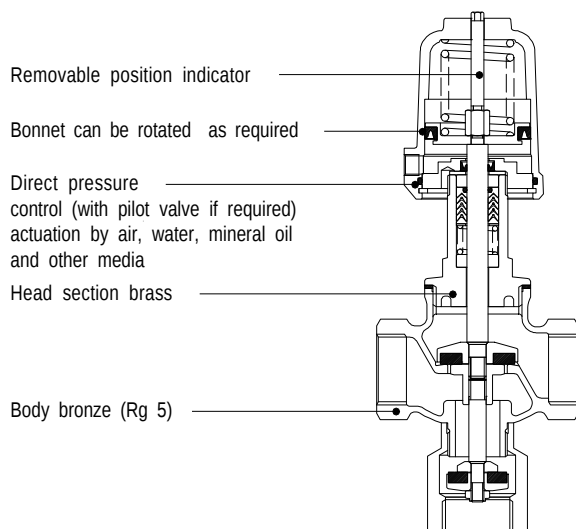
Body material	bronze Rg5
Nominal sizes	DN 15 to DN 40
Connections	Pipe thread acc. DIN 2999 Rp 1/2" - 1 1/2" NPT thread 1/2" - 1 1/2"
Nominal pressure	PN 16
Max. fluid temperature:	
with metal bonnet	-30°C up to +170°C, opt. +200°C
with plastic bonnet	-30°C up to 135°C
Ambient temperature	-30°C to +60°C
Viscosity of the media	maximum 600 mm ² /s (600cSt, 80°E)



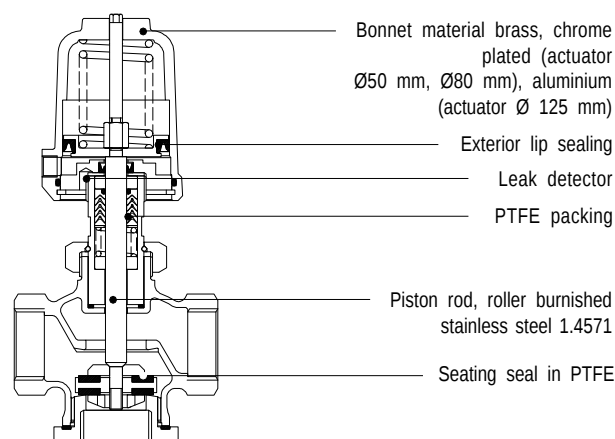
Options

- limit switches
 - inductive proximity switch
 - electrical switch
 - pneumatic switch
- pilot valves
- additional manual operation
- version free of oil and grease

normal function, normally closed



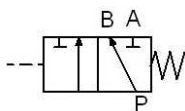
distributing, mixing function and shut - off function



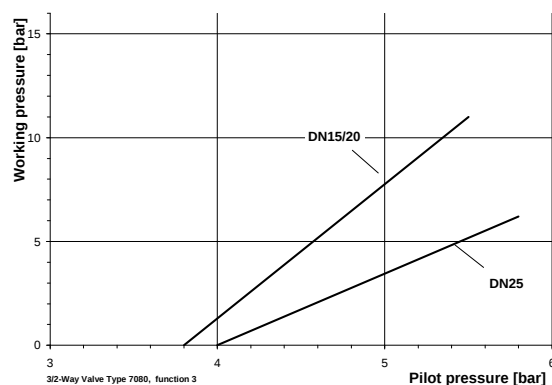
По вопросам продаж и поддержки обращайтесь:
Екатеринбург (343)384-55-89, Казань (843)206-01-48, Краснодар (861)203-40-90,
Москва (495)268-04-70, Санкт-Петербург (812)309-46-40
Единый адрес: ssr@nt-rt.ru
www.ssalzer.nt-rt.ru

3/2-Way Valve 7080

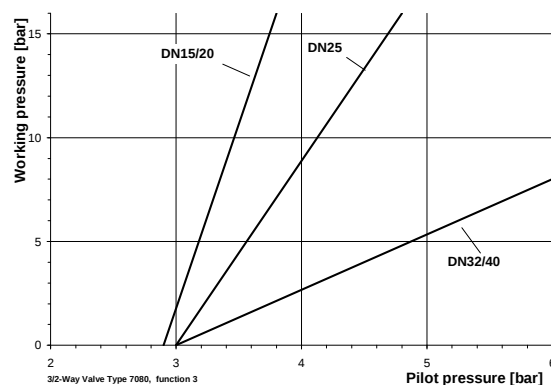
3/2-Way Valve, Distributing function (3)



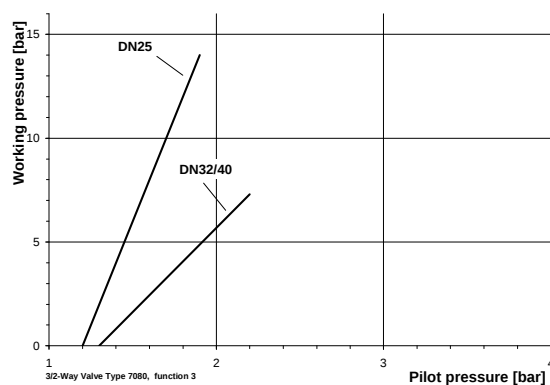
Actuator diameter 50 mm



Actuator diameter 80 mm



Actuator diameter 125 mm

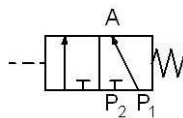


max. adm. pilot pressure

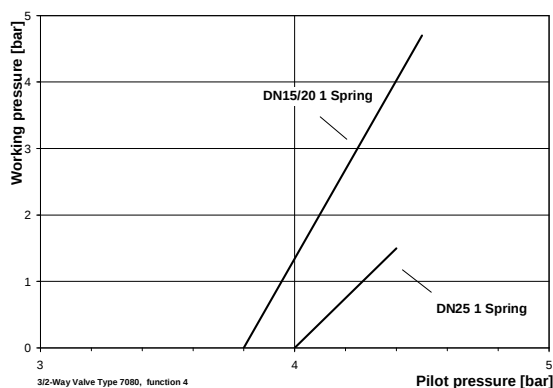
Nominal size DN	Actuator Ø mm	Springs	max. Pilot pressure (bar)
15/20	50	1	9
15/20	80	1	7
25	50	1	9
25	80	1	7
25	125	1	2,8
32/40	80	1	7
32/40	125	1	3

3/2-Way Valve 7080

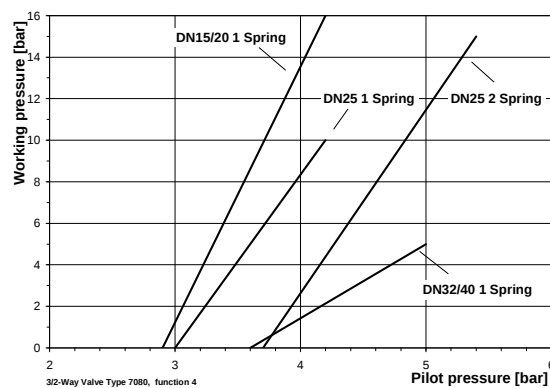
3/2-Way Valve, Mixing function (4)



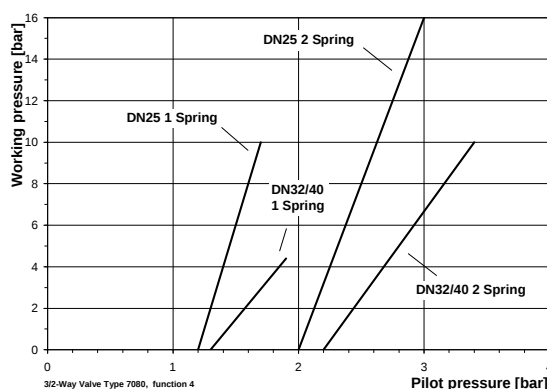
Actuator diameter 50 mm



Actuator diameter 80 mm



Actuator diameter 125 mm

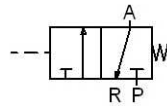


max. adm. pilot pressure

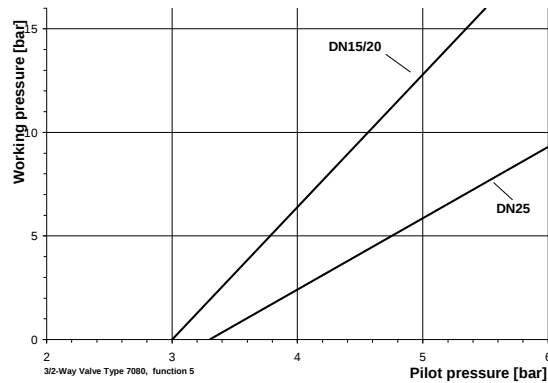
Nominal size DN	Actuator Ø mm	Springs	max. Pilot pressure (bar)
15/20	50	1	9,8
15/20	80	1	7,2
25	50	1	9,8
25	80	1	7,2
25	80	2	7,9
25	125	1	2,8
25	125	2	3,6
32/40	80	1	7,7
32/40	125	1	3
32/40	125	2	3,9

3/2-Way Valve 7080

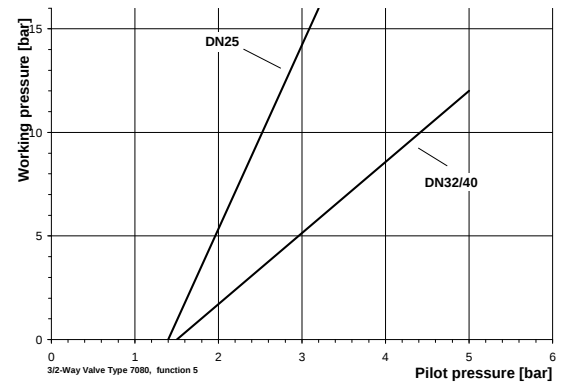
3/2-Way Valve, actuator: normally closed (5)



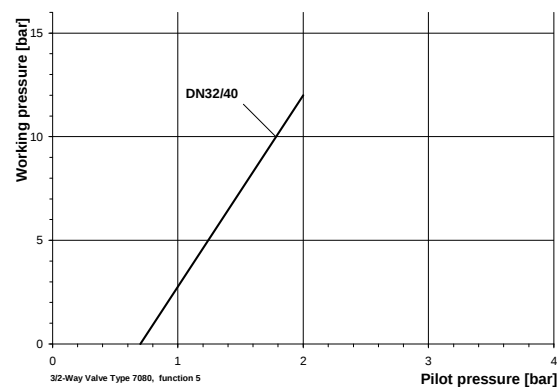
Actuator diameter 50 mm



Actuator diameter 80 mm



Actuator diameter 125 mm

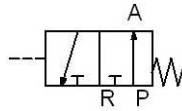


max. adm. pilot pressure

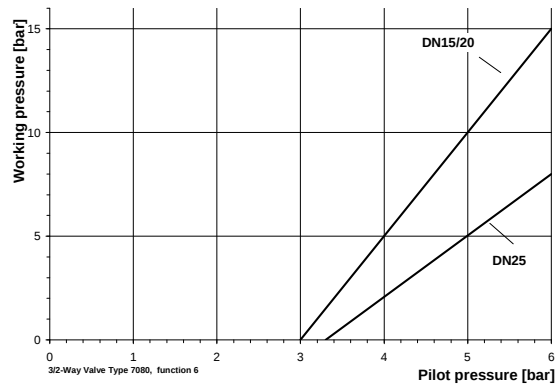
Nominal size DN	Actuator Ø mm	max. Pilot pressure (bar)
15/20	50	9
25	50	9
25	80	5
32/40	80	5
32/40	125	2

3/2-Way Valve 7080

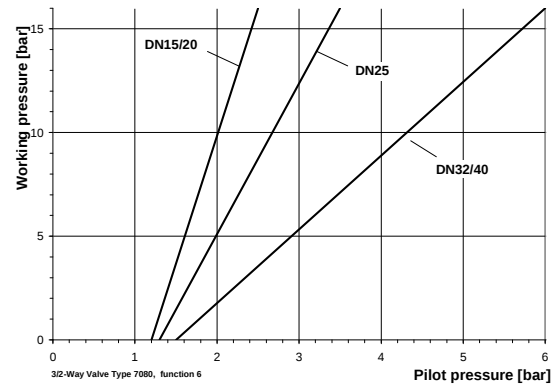
3/2-Way Valve, actuator: normally open (6)



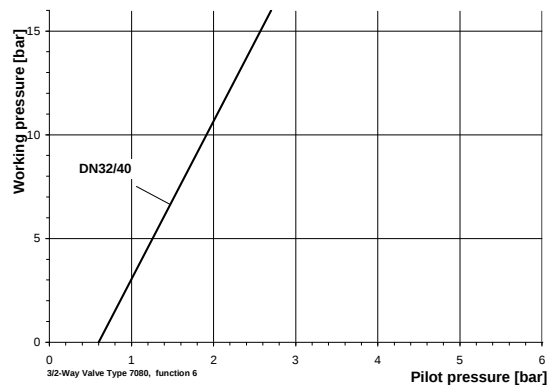
Actuator diameter 50 mm



Actuator diameter 80 mm



Actuator diameter 125 mm



max. adm. pilot pressure

Nominal size DN	Actuator Ø mm	max. Pilot pressure (bar)
15/20	50	9
15/20	80	5
25	50	9
25	80	6,4
25	125	2,6
32	125	3,8

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**CONTROL
SYSTEMS**

Nominal Size DN	Diff. Pressure max (bar)	Pilot pressure (bar)	Actuator Ø mm	Springs
DN15/20	4,5	3,8 - 9,7	D50	1
DN15/20	9	4,8 - 10	D50	2
DN25	3,5	4,9 - 10	D50	2
DN15/20	16	2,9 - 7,2	D80	1
DN25	10	3,2 - 7,4	D80	1
DN25	16	4,4 - 8,7	D80	3
DN32/40	7	4,4 - 8,5	D80	2
DN32/40	9	5,4 - 9,5	D80	3
DN32/40	4	1,5 - 3,0	D125	1
DN32/40	10	2,2 - 3,9	D125	2
DN32/40	14	3,0 - 4,6	D125	3

1 2 3 4 5 6 7 8 9 10 11 12

7	0	8	0	/				V											S
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Type Size

—Symbol: "V": Valve
 "A": Actuator (valve w without body)
 "R": Repair kit (sealings)

7 - 12: Quote only if required.

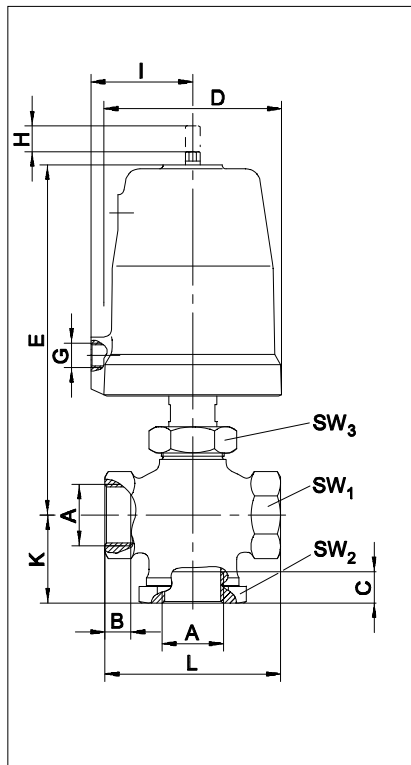
1. Body type		2. Connection		3. Body material	4. Seating seal	5. Pilot function		6. Actuator	
3	3/2-w ay, diverting	0	BSP-thread	1	Bronze Rg5	0	PTFE	0	spring closes (function 3/4/5/7 only)
4	3/2-w ay, mixing	5	NPT-thread (1/2" up to 1 1/2")					1	piston Ø80mm
5	3/2-w ay, spring closes							2	piston Ø125mm
6	3/2-w ay, spring opens								
7	3/2-w ay, shut-off function NC								

7. Springs		8.		9. Packing		10. Temperature version		11. Accessories		12. Special versions	
-	standard	-	without significance	-	standard	-	standard	-	no accessories	S	special versions
				2	packing underneath	H	high temperature version	1	electrical position indicator with one switch	M	position indicator with cable bushing
								2	electrical position indicator with two switches	N	position indicator with plug connection
								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)		

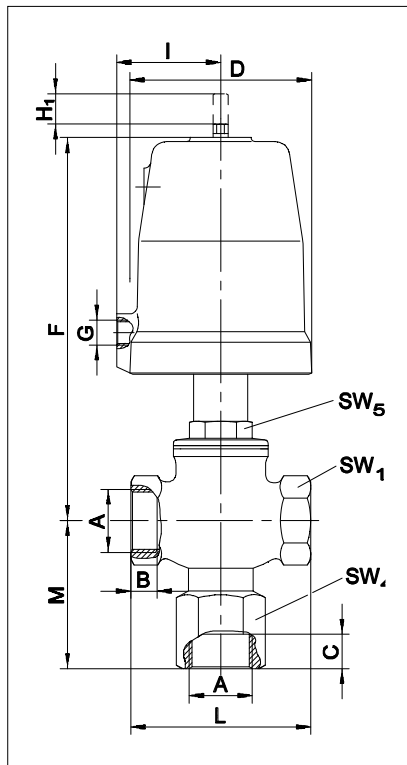
Ordering example: 7080/050V601011- - - 7:
3/2-way valve type 7080, normal function, DN 50, pipe thread acc. DIN 2999, body material bronze (Rg5),
PTFE seat material. spring opens. actuator 80 mm. pilot valve 24 V DC.

3/2-Way Valve 7080

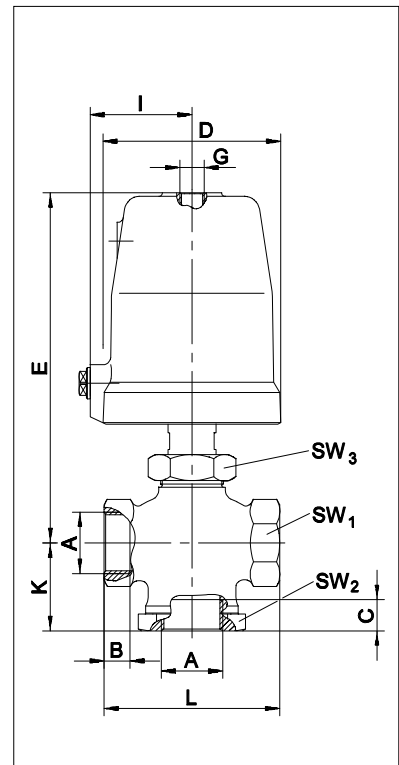
Dimensions and Weights



**distributing and
mixing function
shut - off function (7)**



**normal function,
normally closed**

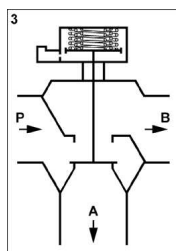


**normal function,
normally open**

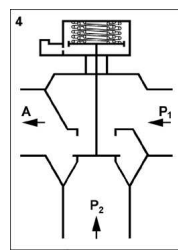
Size	piston	A	B	C Rp	C NPT	D	E	F	G	H stroke	H1 stroke	I	K	L	M	SW1	SW2	SW3	SW4	SW5	Kvs value	Weight kg
15	50	Rp1/2"	13	13,2	15	62	152	147	G 1/8"	9	5	34,5	39	80	68	33	41	41	36	30	5,3	1,5
15	80	Rp1/2"	13	13,2	15	98	191	186	G 1/4"	9	5	55	39	80	68	33	41	41	36	30	5,3	3,1
20	50	Rp3/4"	13	16,3	15	62	152	147	G 1/8"	9	5	34,5	42	80	68	33	41	41	36	30	7,3	1,5
20	80	Rp3/4"	13	16,3	15	98	191	186	G 1/4"	9	5	55	42	80	68	33	41	41	36	30	7,3	3,1
25	50	Rp1"	14	16,8	18	62	152	165	G 1/8"	11	8	34,5	47	95	73	41	55	41	41	30	12,3	1,9
25	80	Rp1"	14	16,8	18	98	191	204	G 1/4"	11	8	55	47	95	73	41	55	41	41	30	12,3	3,5
25	125	Rp1"	14	16,8	18	146	215	228	G 1/4"	11	8	80	47	95	73	41	55	41	41	30	12,3	5,6
32	80	Rp1 1/4"	18	19	19	98	208	211	G 1/4"	18,5	9	55	61	132	93	58	75	41	55	32	20	4,8
32	125	Rp1 1/4"	18	19	19	146	232	235	G 1/4"	18,5	9	80	61	132	93	58	75	41	55	32	20	6,7
40	80	Rp1 1/2"	18	19	19	98	208	211	G 1/4"	18,5	9	55	61	132	93	58	75	41	55	32	23	4,8
40	125	Rp1 1/2"	18	19	19	146	232	235	G 1/4"	18,5	9	80	61	132	93	58	75	41	55	32	23	6,7

Versions

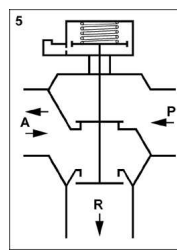
Dimensions in mm



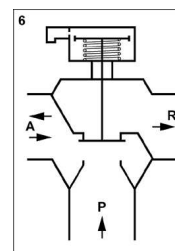
**distributing
function**



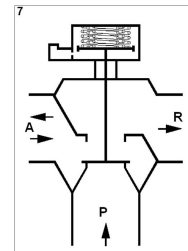
**mixing
function**



**actuator
NC**



**actuator
NO**



**shut - off
function NC**