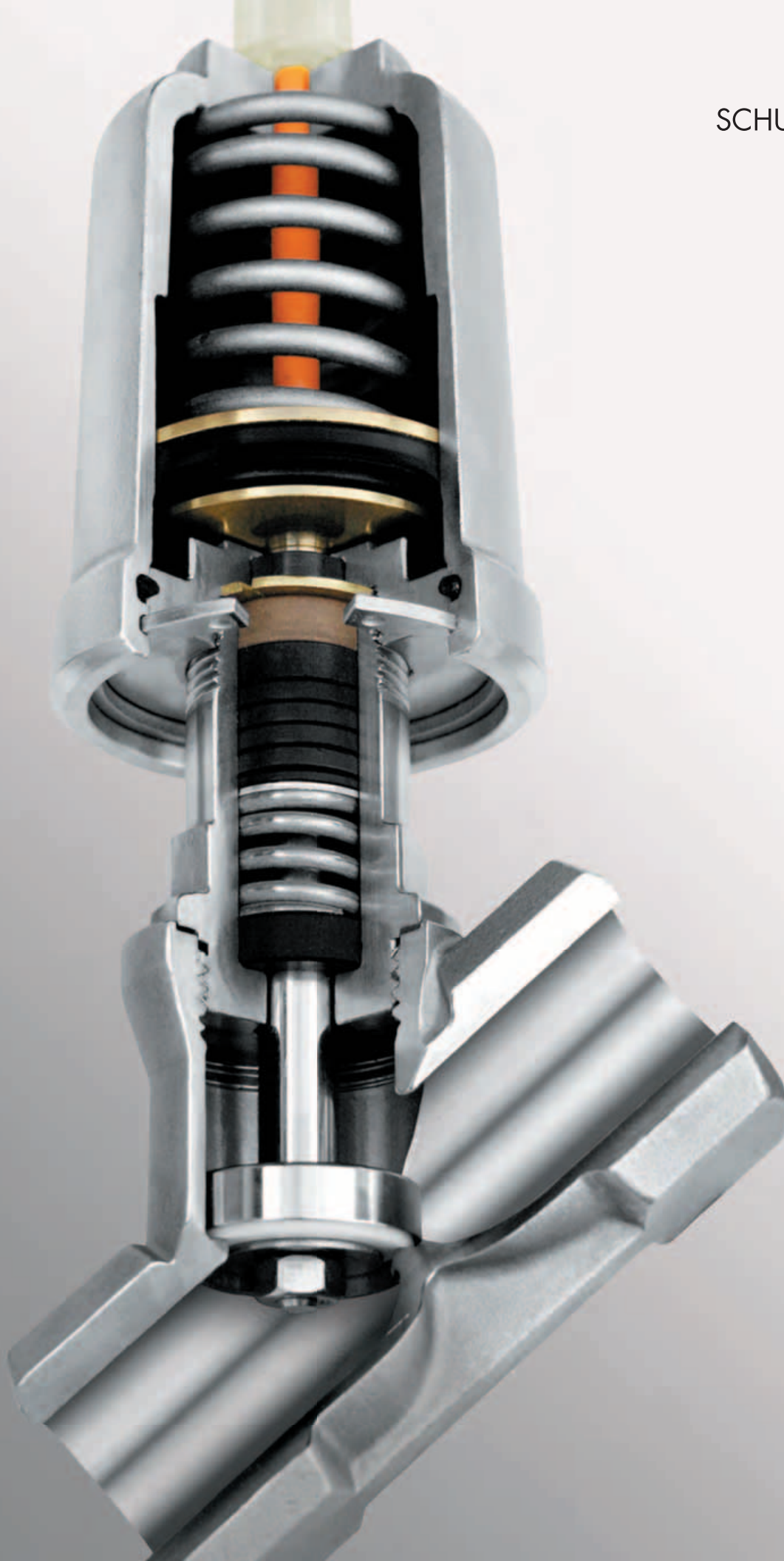


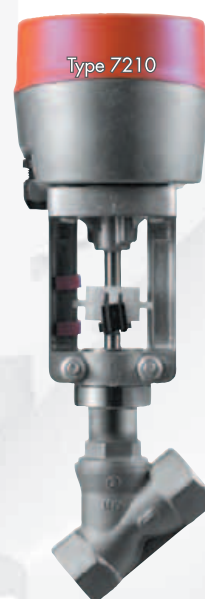


Angle seat valves

Versatile and durable best describe these valves which can surpass millions of cycles for steam, water, process gases and other media.

Schubert & Salzer angle seat valves are available for "on/off", or proportional control applications, with pneumatic or electrical actuators. These valves are more economical than ball valves while providing a longer service life.

We offer the broadest product range with the highest temperature and pressure capabilities. Available in stainless steel (316L) or bronze bodies, in various actuator materials and a diverse range of end connections, including tri-clamps.

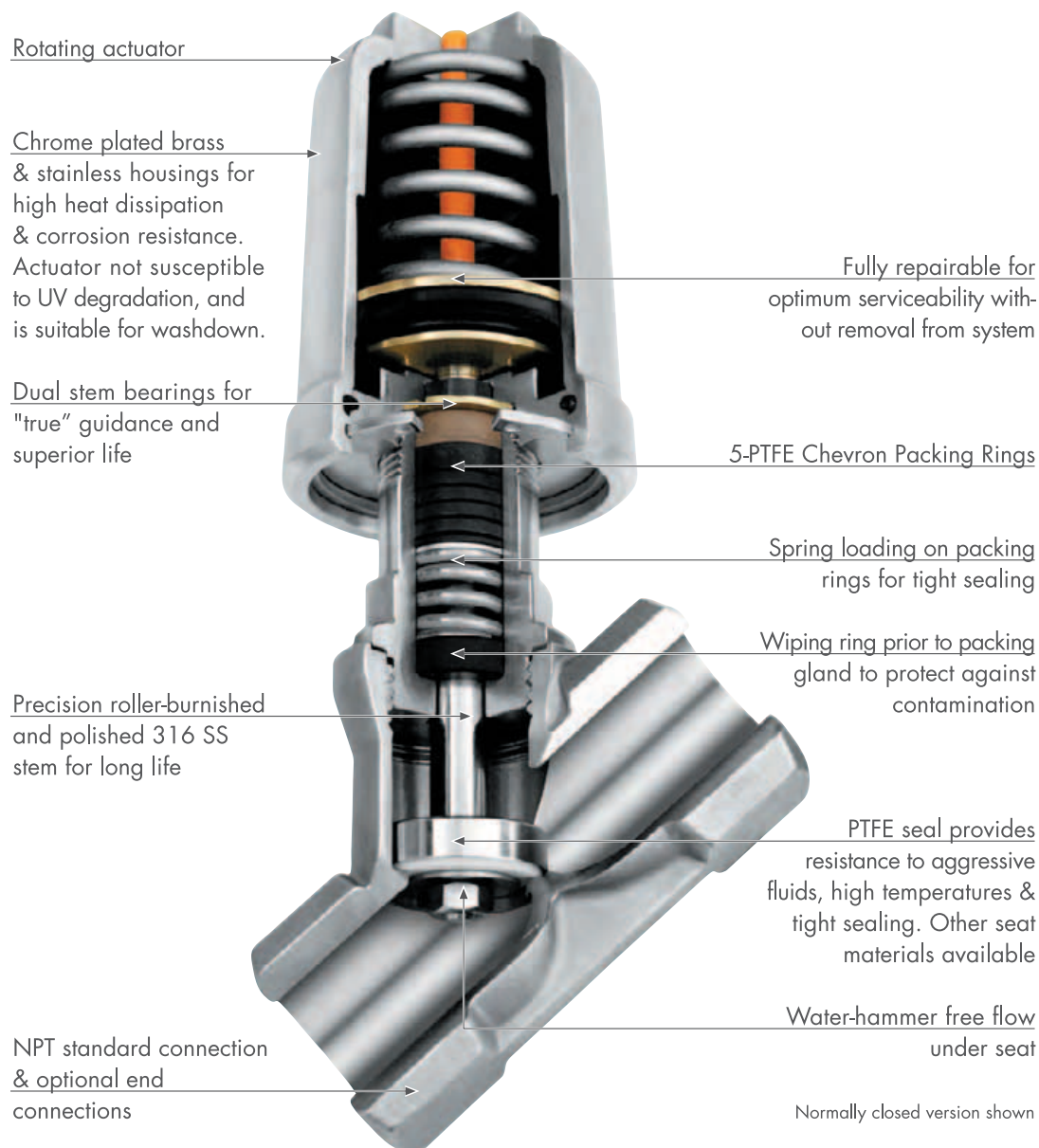


Angle seat valve 7010

7010 Technical Data

	Body Material		
	Brass	Bronze	SST 316
Nominal size (DN)	2 1/2" and 3"	1/2" - 2"	1/4" - 3"
Connections: NPT thread, Tri clamp Welding ends (ISO/SAE), Tube ends ANSI 150, ANSI 300	2 1/2" - 3"	1/2" - 2"	1/4" - 3"
Nominal pressure	235 psi	235 psi	580 psi
Max. fluid temperature *Optional Type 220 HT-Version	-22°F up to 338°F	-22°F up to 338°F up to +392°F	-22°F up to 338°F up to +428°F*
Ambient temperature	-22°F up to +140°F		
Viscosity of the fluid	maximum 600 mm²/s (600cSt, 80°E)		
Vacuum	maximum 0.0295 mercury (Hg)		
Working pressure for inverted packing	maximum 175 psi		

7010 Key Features



7010 Pressure Table

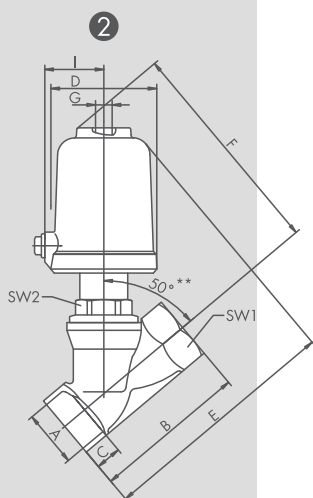
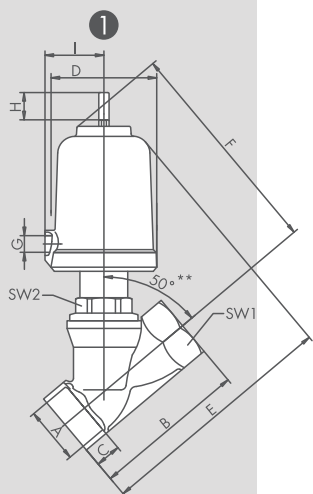
Normally closed angle seat valves, closing against the flow.
Metal and stainless steel actuator (Pilot Function 2)

Nominal size (DN)	Working pressure (i.e. Differential) psi		Pilot pressure psi	Piston ø inch	Springs
	stainless steel	bronze			
1/4" (8)	580	-	50 - 145	2"	1
3/8" (10)	580	-	50 - 145	2"	1
1/2" (15)	320	230	50 - 145	2"	1
3/4" (20)	100	100	50 - 145	2"	1
3/4" (20)	190	190	65 - 145	2"	2
3/4" (20)	275	230	85 - 145	2"	3
1" (25)	35	35	50 - 145	2"	1
1" (25)	85	85	65 - 145	2"	2
1" (25)	130	130	85 - 145	2"	3
1" (25)	320	230	50 - 145	3"	1
1 1/4" (32)	15	15	50 - 145	2"	1
1 1/4" (32)	45	45	65 - 145	2"	2
1 1/4" (32)	75	75	85 - 145	2"	3
1 1/4" (32)	175	175	50 - 145	3"	1
1 1/4" (32)	245	230	65 - 145	3"	2
1 1/4" (32)	320	230	85 - 145	3"	3
1 1/4" (32)	160	160	20 - 145	5"	1
1 1/4" (32)	335	230	30 - 145	5"	2

Nominal size (DN)	Working pressure (i.e. Differential) psi		Pilot pressure psi	Piston ø inch	Springs
	stainless steel	bronze			
1 1/2" (40)	30	30	65 - 145	2"	2
1 1/2" (40)	50	50	80 - 145	2"	3
1 1/2" (40)	100	100	50 - 145	3"	1
1 1/2" (40)	145	145	65 - 145	3"	2
1 1/2" (40)	190	190	80 - 145	3"	3
1 1/2" (40)	100	100	20 - 145	5"	1
1 1/2" (40)	220	220	30 - 145	5"	2
1 1/2" (40)	305	305	45 - 145	5"	3
2" (50)	60	60	50 - 145	3"	1
2" (50)	85	85	65 - 145	3"	2
2" (50)	110	110	80 - 145	3"	3
2" (50)	125	125	30 - 145	5"	2
2" (50)	190	190	45 - 145	5"	3
2 1/2" (65)	60	35*	80 - 145	3"	3
2 1/2" (65)	75	50*	30 - 145	5"	2
2 1/2" (65)	100	75*	45 - 145	5"	3
3" (80)	65	65*	45 - 145	5"	3

* brass body

Standard



7010 Dimensions and Weights

DN	Actuator diameter	A NPT	B		C	D	E		F	G	H	I	SW1		SW2	Cv-Values		Weight (lbs)	Weight (lbs) Model 7012
			Bronze SST	Brass			Bronze SST	Brass					(Stroke)	Bronze SST		Brass	Bronze SST		
8	2"	1/4"	2.35	-	0.45	2.45	5.1	-	4.85	G1/8"	0.33	1.35	0.8	-	1.2	1.1	-	2.2	-
10	2"	3/8"	2.35	-	0.45	2.45	5.1	-	4.85	G1/8"	0.35	1.35	0.9	-	1.2	1.9	-	2.31	-
15	2"	1/2"	2.55	-	0.6	2.45	5.3	-	4.7	G1/8"	0.28	1.35	1	-	1.2	4.1	-	2.42	2.2
20	2"	3/4"	2.95	-	0.65	2.45	5.3	-	4.9	G1/8"	0.47	1.35	1.2	-	1.2	9.3	-	2.64	2.4
25	2"	1"	3.35	-	0.75	2.45	5.7	-	5.1	G1/8"	0.63	1.35	1.55	-	1.2	17.4	-	3.08	2.9
25	3"	1"	3.35	-	0.75	3.8	7.3	-	6.7	G1/4"	0.63	2.15	1.55	-	1.2	18.6	-	6.6	3.7
32	2"	1 1/4"	4.35	-	0.85	2.45	6.3	-	5.7	G1/8"	0.63	1.35	1.9	-	1.2	24.4	-	3.96	3.7
32	3"	1 1/4"	4.35	-	0.85	3.8	7.85	-	7.5	G1/4"	0.79	2.15	1.9	-	1.2	27.8	-	7.26	4.6
32	5"	1 1/4"	4.35	-	0.85	5.75	9.05	-	8.45	G1/4"	0.79	3.15	1.9	-	1.2	27.8	-	12.1	-
40	2"	1 1/2"	4.7	-	0.85	2.45	6.5	-	5.9	G1/8"	0.63	1.35	2.15	-	1.2	34.8	-	4.62	4.4
40	3"	1 1/2"	4.7	-	0.85	3.8	8.05	-	7.7	G1/4"	0.91	2.15	2.15	-	1.2	40.6	-	7.92	5.3
40	5"	1 1/2"	4.7	-	0.85	5.75	9.25	-	8.65	G1/4"	0.91	3.15	2.15	-	1.2	40.6	-	12.76	-
50	2"	2"	5.9	-	1	2.45	7.3	-	6.3	G1/8"	0.63	1.35	2.7	-	1.25	46.4	-	5.94	5.7
50	3"	2"	5.9	-	1	3.8	8.85	-	7.85	G1/4"	1.14	2.15	2.7	-	1.25	63.8	-	9.24	6.6
50	5"	2"	5.9	-	1	5.75	9.85	-	8.85	G1/4"	1.14	3.15	2.7	-	1.25	63.8	-	14.08	-
65	3"	2 1/2"	7.1	7.1	1.2	3.8	10.25	10.25	8.25	G1/4"	1.14	2.15	3.35	3.35	1.6	92.8	107.9	13.64	11
65	5"	2 1/2"	7.1	7.1	1.2	5.75	11.2	11.2	9.45	G1/4"	1.14	3.15	3.35	3.35	1.6	92.8	107.9	18.48	-
80	3"	3"	*	8.25	1.3	3.8	*	11	8.85	G1/4"	1.14	2.15	*	3.95	1.6	*	133.4	18.26	-
80	5"	3"	*	8.25	1.3	5.75	*	12	9.85	G1/4"	1.14	3.15	*	3.95	1.6	*	133.4	23.1	-

* contact factory

Dimensions in inches

① normally closed ② normally open

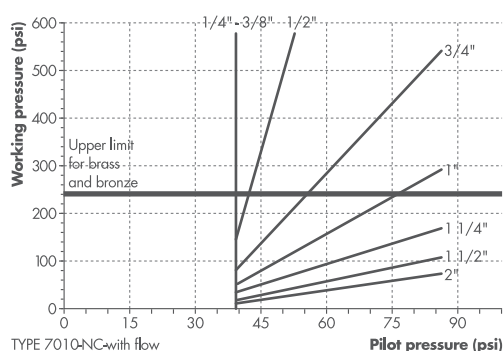
7010 Metal and stainless steel actuator

Spring closes NC - Pilot Function 0 (closing with flow) ①

Notice:

Normally closed angle seat valves, closing with the flow. Operates better with gases, with liquids water hammer is possible.

Actuator diameter 2"

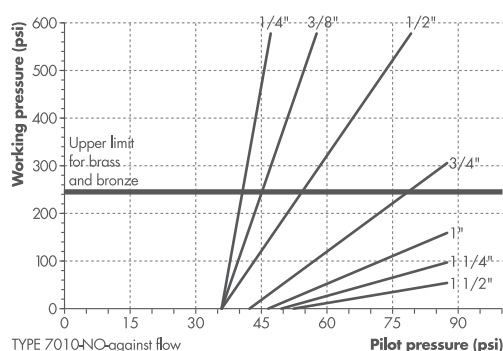


Spring opens NO - Pilot Function 1 (closing against flow) ②

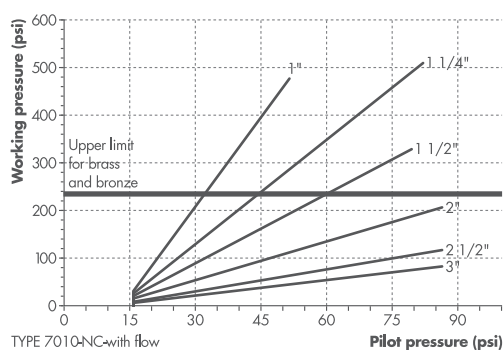
Notice:

Normally open angle seat valves, closing against the flow.

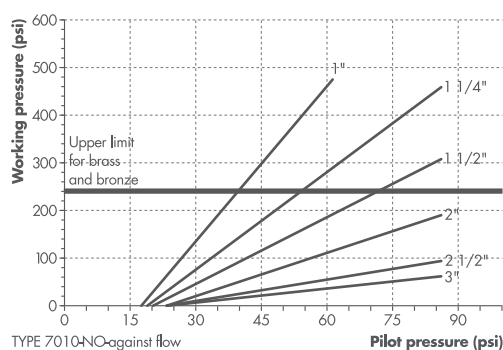
Actuator diameter 2"



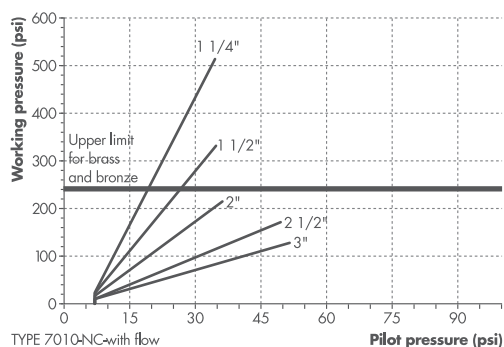
Actuator diameter 3"



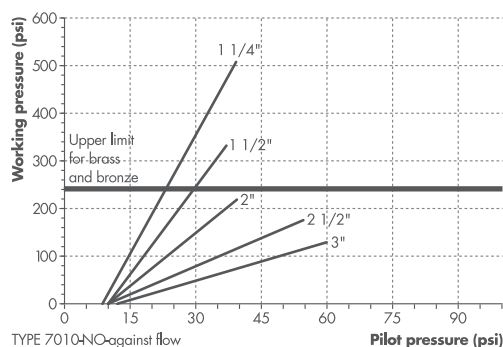
Actuator diameter 3"



Actuator diameter 5"



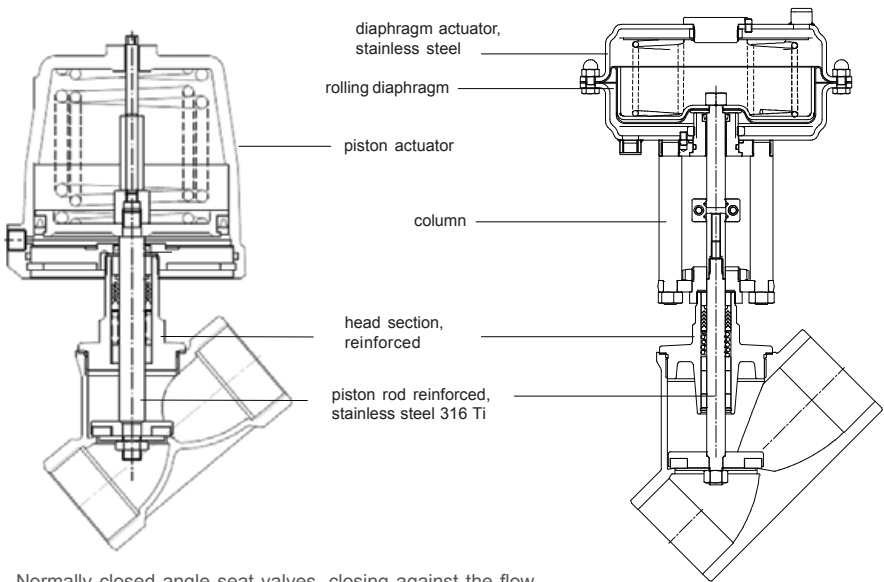
Actuator diameter 5"



Angle Seat Valve 7010, reinforced design

stainless steel 2" up to 3"

580 psi



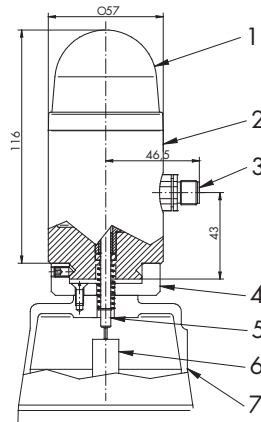
Normally closed angle seat valves, closing against the flow (operating with fluids).

Nominal size	max. Working pressure (differential pressure) psi stainless steel	Pilot pressure (psi)	Diaphragm area	Springs number
2"	175	45 - 145	5"	3
2"	275	40 - 90	10"	8
2"	365	55 - 90	10"	12
2 1/2"	85	45 - 145	5"	3
2 1/2"	145	40 - 90	10"	8
2 1/2"	205	55 - 90	10"	12
3"	60	45 - 145	5"	3
3"	100	40 - 90	10"	8
3"	145	55 - 90	10"	12
Standard				

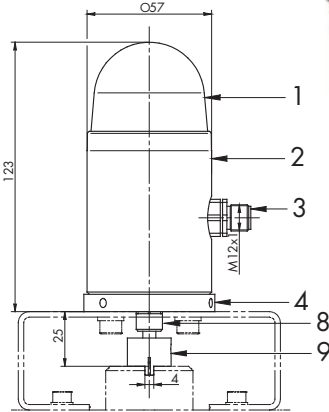
Digital position indicator, type 2040

Digital Position Indicator for Piston Valves

- *visual display of valve position
- *two position switch output
- *configuration and diagnostics with "DeviceConfig"



Version for linear drives



Version for part-turn actuators

The logo for Schubert Salzer Inc. features a large, stylized 'S' in a dark blue color. To the right of the 'S', the word 'SCHUBERT' is written in a bold, dark blue, sans-serif font. To the left of the 'S', the word 'SALZER' is written in a bold, dark blue, sans-serif font. Below 'SALZER', the word 'INC.' is written in a smaller, dark blue, sans-serif font. The entire logo is set against a white background.

1 - 6: Please quote all 6 sections.
7 - 12: Quote only if required.

[illegible]

...S ----- 3	closing cap for position indicator (actuator 2")
...S ----- 2	closing cap for position indicator (actuator 3", 5")
...S ----- 1	silicone free
...S ----- 5	oxygen service
...S ----- 66	pilot valve 110/120V AC (already assembled)
...S ----- 501	pilot valve 110/120V AC (assembled in the USA)

Ordering example type 7010: 7010/050V152028---5
2" angle seat valve, NPT connection, stainless steel body, PTFE seat, N.C., actuator size 3", stroke limitation.

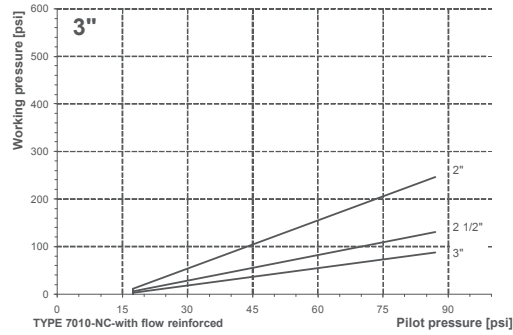
1" angle seat valve, NPT connection, stainless steel body, Peek seating seal, N.C., actuator size 3", HT 220 Version, stroke limitation.

Angle Seat Valve 7010, reinforced design

Spring closes NC (closing with flow)

Normally closed angle seat valves, closing with the flow. Operates better with gases, with liquids water hammer is possible.

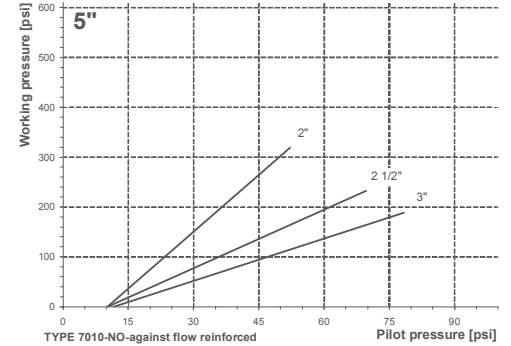
Piston actuator diameter 3"



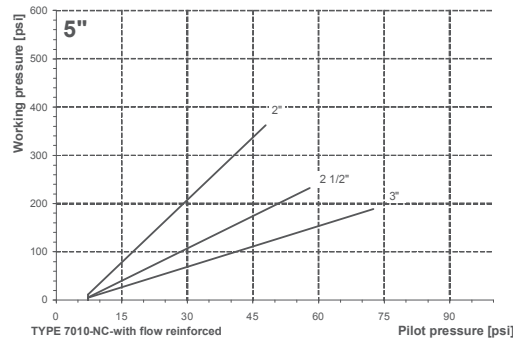
Spring opens NO (closing against flow)

Normally open angle seat valves, closing against the flow.

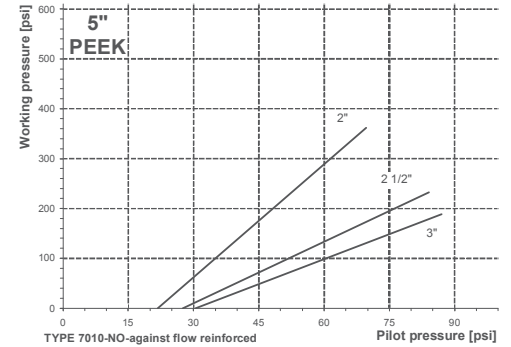
Piston actuator diameter 5"



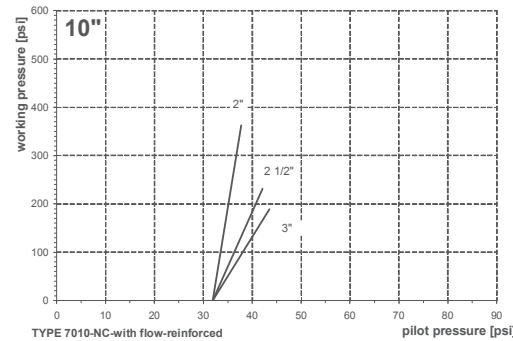
Piston actuator diameter 5"



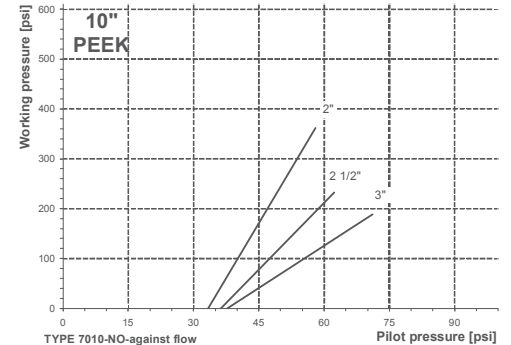
Piston actuator diameter 5" PEEK seating seal



Diaphragm actuator diameter 10"



Diaphragm actuator diameter 10" PEEK seating seal



higher pressures on request

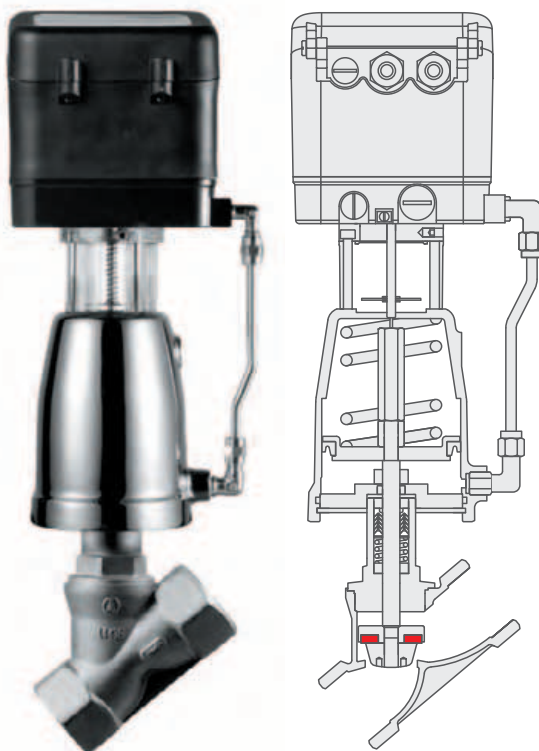
Angle seat control valve 7020

7020 Technical Data

Nominal sizes (DN)	DN 1/4" up to 3"
Body material	316 L stainless steel
Connections	
NPT thread	DN 1/4" up to 3"
Tri Clamp	DN 1/2" up to 2 1/2"
Tube ends	DN 1/2" up to 2"
Socket weld	DN 1/2" up to 3"
Nominal pressure	580 psi
Fluid temperature	-22°F up to +392°F
Options	Optical position indicator External I/P-Converter (Type 8045) ExI/P-Positioner (Ex II 2 G EEx ib IIC T6)

Pneumatically operated control valves are for neutral through highly aggressive media. Ideal for steam, gas and liquids. Advantages are the integrated positioner, the compact design, and the fact, that all wetted parts made from stainless steel. The version with integrated digital positioner is for the control of neutral through aggressive media in process engineering, the chemical industry and for plant equipment.

You'll find detailed information about different types of positioners in our main product guide or on our website (www.schubertsalzerinc.com).



7020 Cv-Values

	Linear								Equal percentage				
DN	1/4"	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	1/2"	3/4"	1"	1 1/4"	1 1/2"
100%	0.7	4.4	10.2	16.2	23.2	31.3	0.7	3.5	7	11.6	18.6	29	
40%	0.28	1.7	4.1	6.7	9.3	12.8	-	1.4	2.8	4.6	7	11.6	
25%	0.17	1.1	2.6	4.2	-	-	-	0.93	1.7	3	-	-	
15%	-	-	-	-	-	-	-	0.53	-	-	-	-	
10%	-	0.46	-	-	-	-	-	-	-	-	-	-	
7.5%	-	-	-	-	-	-	-	0.27	-	-	-	-	

7020 Admissible Pressures

Digital Positioner

DN	Pressure (psi)	Supply pressure range (psi)	Piston ø (inch)	Spring Configuration (Number)
1/4"	235	75 - 90	2"	2
1/4"	235	60 - 90	3"	2*
1/2"	235	60 - 90	3"	2
3/4"	235	60 - 90	3"	2
1"	235	60 - 90	3"	1
1 1/4"	145	60 - 90	3"	1
1 1/4"	235	45 - 90	5"	2
1 1/2"	85	60 - 90	3"	1
1 1/2"	235	60 - 90	5"	3
2"	45	60 - 90	3"	1
2"	130	60 - 90	5"	3

I/P-Positioner P/P-Positioner

DN	Pressure (psi)	Supply pressure range (psi)	Diameter of Actuator (inch)	Spring Configuration (Number)
1/4"	235	60 - 90	3"	2*
1/2"	235	60 - 90	3"	2
3/4"	235	60 - 90	3"	2
1"	175	60 - 90	3"	1
1 1/4"	100	60 - 90	3"	1
1 1/4"	190	45 - 90	5"	2
1 1/2"	60	60 - 90	3"	1
1 1/2"	160	60 - 90	5"	3
2"	30	60 - 90	3"	1
2"	85	60 - 90	5"	3

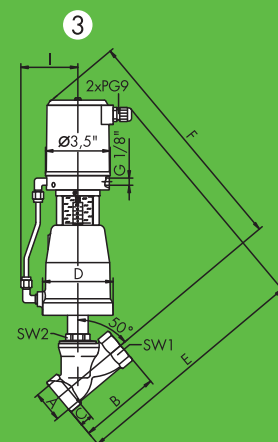
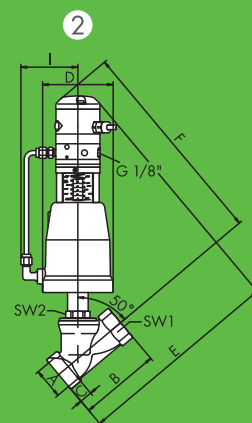
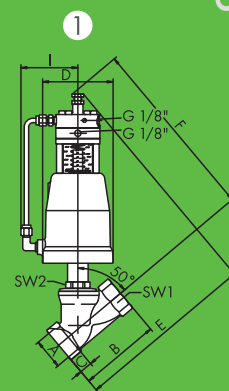
* special springs

7020 Dimensions and Weights

DN	Actuator	A NPT	B	C	D	E Positioner			F Positioner			I	SW1	SW2	Weight (lbs)		
						P/P	I/P	Digital	P/P	I/P	Digital				P/P	I/P	Digital
1/4"	2"	1/4"	2.36	0.47	2.44	-	-	11.02	-	-	10.83	2.44	0.79	1.18	-	-	5
1/4"	3"	1/4"	2.36	0.47	3.78	8.66	9.84	11.81	9.06	10.24	11.61	3.15	0.79	1.18	8	9	9
1/2"	3"	1/2"	2.56	0.59	3.78	8.66	9.84	11.81	9.06	10.24	11.61	3.15	0.98	1.18	8	9	9
3/4"	3"	3/4"	2.95	0.64	3.78	8.86	10.04	12.01	9.25	10.43	11.61	3.15	1.22	1.18	8.5	9	9
1"	3"	1"	3.54	0.75	3.78	9.25	10.43	12.4	9.45	10.63	11.81	3.15	1.54	1.18	9	9.5	9.5
1 1/4"	3"	1 1/4"	4.33	0.84	3.78	9.84	11.02	12.99	10.04	11.22	12.4	3.15	1.89	1.18	9.5	10	10.5
1 1/4"	5"	1 1/4"	4.33	0.84	5.75	10.43	11.61	14.17	10.83	12.01	13.58	4.13	1.89	1.18	15	16	16
1 1/2"	3"	1 1/2"	4.72	0.84	3.78	10.04	11.22	13.19	10.24	11.42	12.6	3.15	2.17	1.18	10	11	11
1 1/2"	5"	1 1/2"	4.72	0.84	5.75	10.63	11.81	14.37	11.02	12.2	13.78	4.13	2.17	1.18	16	16.5	16.5
2"	3"	2"	5.91	0.83	3.78	10.83	12.01	13.78	10.63	11.81	12.99	3.15	2.68	1.26	11.5	12	12.5
2"	5"	2"	5.91	1.01	5.75	11.22	12.4	14.96	11.22	12.4	14.17	4.13	2.68	1.26	17	18	18

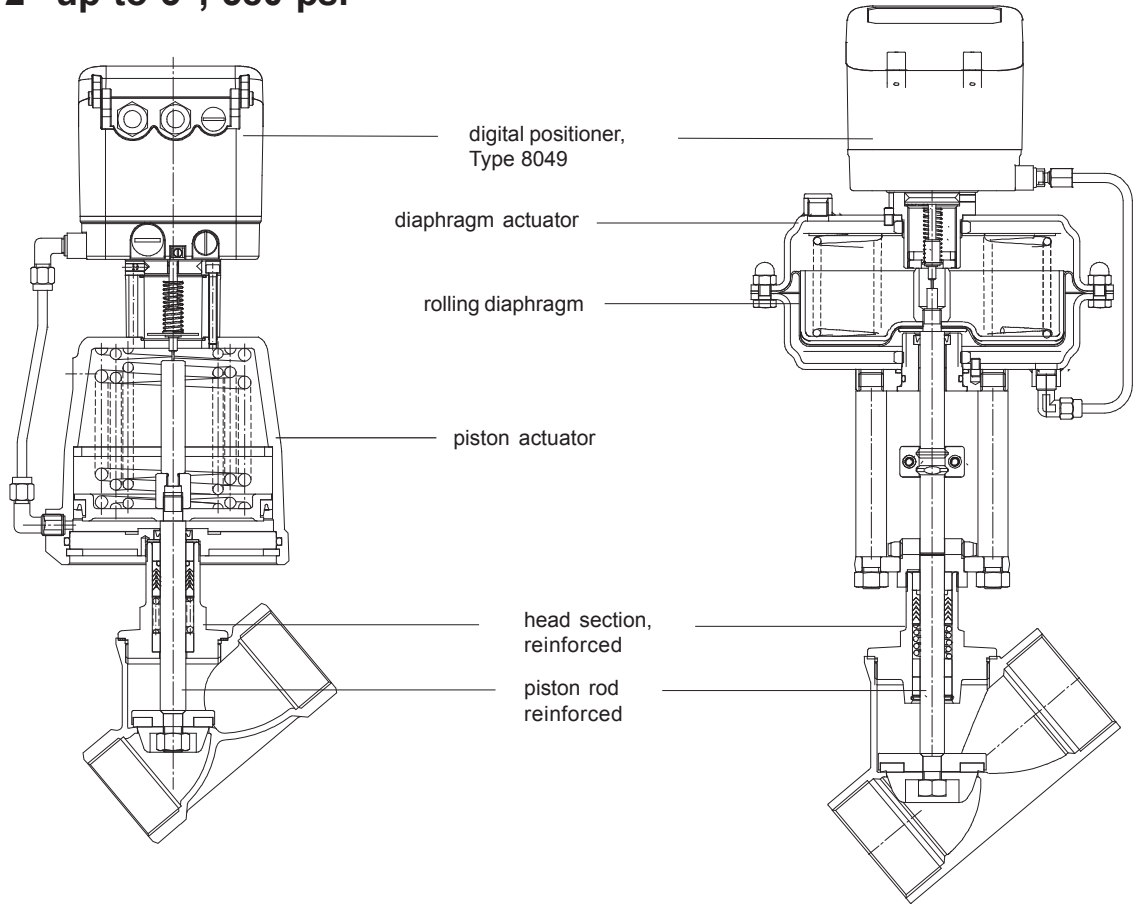
Dimensions in inches

① P/P-Positioner ② I/P-Positioner ③ Digital-Positioner



Angle Seat Control Valve 7020, reinforced design with integrated positioner

2" up to 3", 580 psi



Admissible Pressures

digital positioner

Size	Max. pressure (psi)		Supply pressure range	Piston Ø	Spring configuration
	PTFE	PEEK	psi	inch	Number
2"	45	-	60 - 90	3"	1
2"	130	45	60 - 90	5"	3
2"	175	75	45 - 90	10"	6
2"	230	145	60 - 90	10"	8 *
2"	230	230	60 - 90	10"	12
2 1/2"	75	-	60 - 90	5"	3
2 1/2"	190	115	60 - 90	10"	12
3"	45	-	60 - 90	5"	3
3"	130	75	60 - 90	10"	12

i/p-positioner p/p-positioner

Size	Differential pressure (psi)	Supply pressure range	Piston Ø	Springs
	PTFE	psi	inch	number
2"	29	60 - 90	3"	1
2"	87	60 - 90	5"	3
2"	174	60 - 90	10"	10
2"	232	60 - 90	10"	12 *
2 1/2"	130.5	60 - 90	10"	12
3"	87	60 - 90	10"	12

* standard spring configuration

Cv- Values

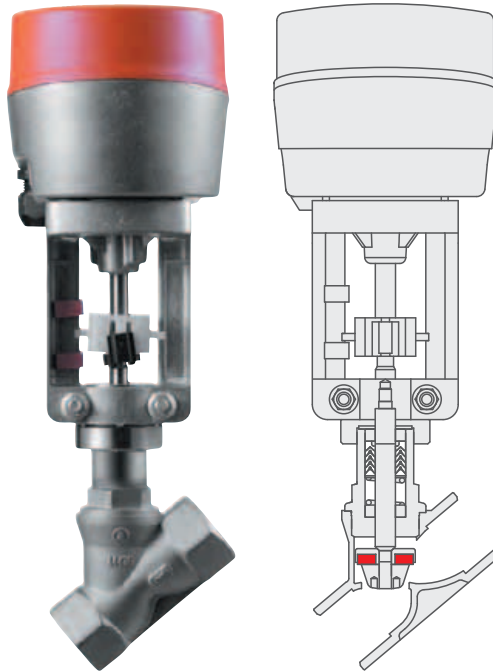
Size	linear			equal percentage		
	2"	2 1/2"	3"	2"	2 1/2"	3"
100%	49.9	60.3	80	39.4	51	68.4
63%	30.2	37.1	-	26.7	33.6	-

Angle seat motor valve compact 7210

7210 Technical Data

Body material	Bronze (RG 5)	Stainless steel
Nominal size (DN)	1/2" up to 2"	1/4" up to 2"
Connections:		
Pipe threads acc. DIN 2999	1/2" - 2"	1/4" - 2"
NPT thread	1/2" - 2"	1/4" - 2"
Welding ends	-	1/2" - 2"
Clamp connections	-	1/2" - 2"
Nominal pressure	230 psi	580 psi
Max. fluid temperature	-22°F up to +392°F	
Viscosity	max. 600 mm ² /s (600 cST)	
Vacuum	max. 0.0295 mercury (Hg)	
Operating pressure packing underneath	max. 175 psi	

For detailed technical information about the motor actuator ask us for the 7210 data sheet or visit our website (www.schubertsalzerinc.com).



7210 Closing Pressures

Nominal size (DN)	Actuator		Inlet pressure (psi)					
			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Stainless steel body	On/Off, Control	580	580	290	175	100	70	40
Bronze body	On/Off	-	230	230	175	100	70	40

7210 Cv-Values

Characteristics	linear							equal percentage						
	1/4"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
100%	0.7	4.4	10.2	16.2	23.2	31.3	42.9	0.7	3.5	7	11.6	18.6	29	-
40%	0.3	1.7	4.1	6.7	9.3	12.8	-	-	1.4	2.8	4.6	7	11.6	-
25%	0.2	1.1	2.6	4.2	-	-	-	-	0.9	1.7	3	-	-	-
15%	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-
10%	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-
7,5%	-	-	-	-	-	-	-	-	0.3	-	-	-	-	-
On-Off	1.1	4.1	10.4	19.7	32.5	40.6	52.2							

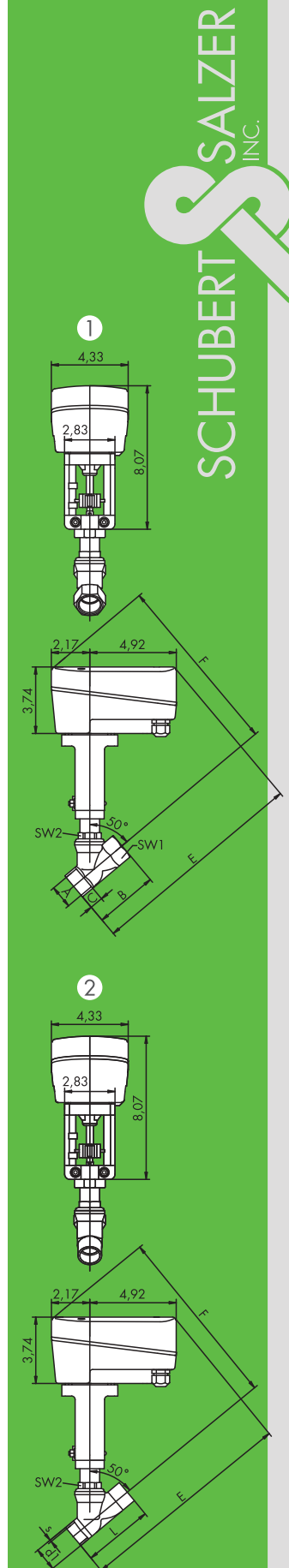
7210 Dimensions and Weights

DN	A NPT	C NPT	ISO d1	s	DIN d1	s	B NPT	L DIN/ISO	E	F	SW1	SW2	Stroke	Weight lbs
1/4"	1/4"	0.42	-	-	-	-	2.36	-	9.88	11.65	0.79	1.18	0.33	4
1/2"	1/2"	0.57	0.84	0.08	0.71	0.06	2.56	3.15	11.81	10.04	0.98	1.18	0.35	4.5
3/4"	3/4"	0.59	1.06	0.09	0.87	0.06	2.95	3.54	12.2	10.04	1.22	1.18	0.55	5
1"	1"	0.71	1.33	0.1	1.1	0.06	3.54	3.94	12.4	10.24	1.54	1.18	0.71	5.5
1 1/4"	1 1/4"	0.73	1.67	0.1	1.34	0.06	4.33	4.33	12.99	10.83	1.89	1.18	0.83	6
1 1/2"	1 1/2"	0.73	1.9	0.1	1.57	0.06	4.72	4.72	13.39	11.02	2.17	1.18	0.87	7
2"	2"	0.75	2.37	0.11	2.05	0.06	5.91	5.91	13.78	11.42	2.68	1.26	0.87	8

Other body designs on request

Dimensions in inches

① Body with threaded ends (Rp/NPT) ② Body with welding ends (DIN/ISO)



Angle Seat Motor Valve 7210

Ordering Number System

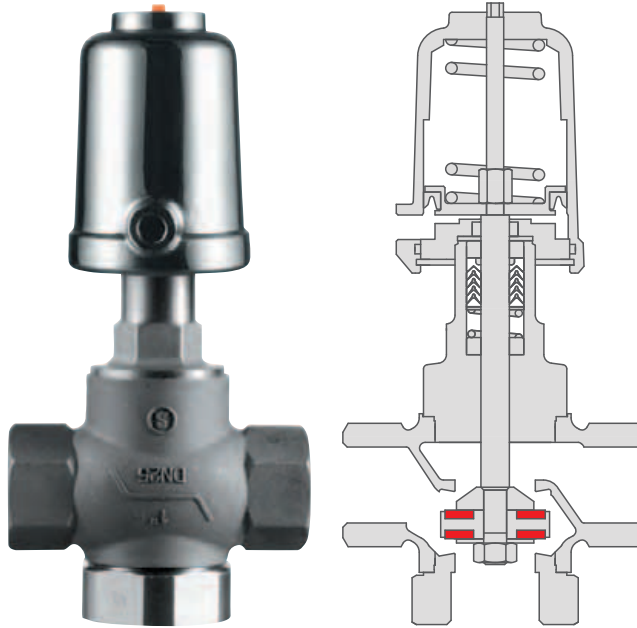
Article number									
7210/			K						S
Nominal size:									
1/4" (DN 8) only with seating seal PEEK	008								
1/2" (DN 15)	015								
3/4" (DN 20)	020								
1" (DN 25)	025								
1 1/4" (DN 32)	032								
1 1/2" (DN 40)	040								
2" (DN 50)	050								
Item:									
Valve	V								
Valve without actuator	U								
Actuator	A								
Body design:									
Angle bodied		1							
Connection:									
Whitworth-thread		0							
NPT thread		5							
without thread		6							
Welding ends acc. ISO		H							
Tri-clamp		Z							
Body material:									
Bronze		1							
Stainless steel		2							
Seating seal:									
PTFE		0							
Viton		1							
EPDM		2							
BUNA-N		3							
PEEK		7							
Actuator:									
Control actuator BM250C/IOS2 85-250V AC/120-250V DC control electr. 4-20mA - feedb. 4-20mA - 2 limit switch.		0							
Control actuator BM24C - 24V AC/DC - control electronics 2-10V - feedback 2-10V		1							
Control actuator BM24C/I - 24V AC/DC - control electronics 4-20mA - feedback 2-10V		2							
On-Off actuator BM24 - 24V AC/DC		6							
On-Off actuator BM230 - 230V AC		7							
On-Off actuator BM115 - 115V AC		8							
Control actuator BM24C/IOS2 20-30V AC/20-45V DC - control electr. 4-20mA - feedback 4-20mA - 2 limit switch.		9							
Control plug:									
none		-							
linear 100%		1							
equal percentage 100%		2							
linear 40%		3							
equal percentage 40%		4							
linear 25%		5							
equal percentage 25%		6							
Safety position:									
without safety position		-							
spring to close		0							
spring to open		1							
Stroking times									
Standard (3.5s / 0.04 inch for control actuators - 7.5s / 0.04 inch for on-off-actuators)		-							
4.5 s / 0.04inch (on-off actuators only)		L							
1.75s / 0.04 inch (control actuators only), with safety spring return 3.0s / 0.04 inch		1							
7.0s / 0.04 inch (control actuators only)		2							
14.0s / 0.04 inch (control actuators only)		3							

Ordering example: 7210/025VK152021: Angle seat motor valve type 7210, 1", pipe thread NPT, stainless steel body, seating seal PTFE, control actuator BM24C/I, 24V AC/DC, 180 lbf, control electronics 4-20 mA, position feedback 2-10V, linear characteristic, Cv-value 16.2 (100 %).

3/2-way valve 7081

7081 Technical Data

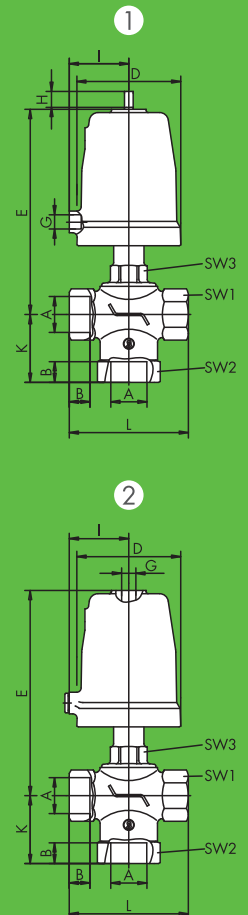
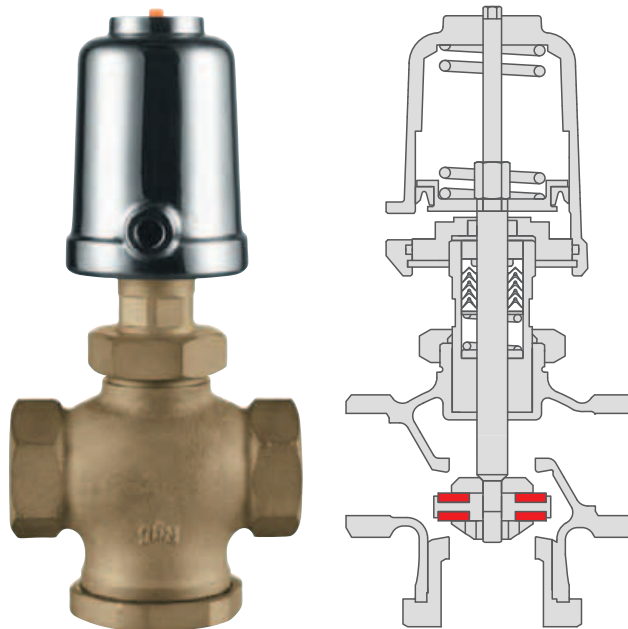
Body material	SST 316
Nominal sizes (DN)	1/2" - 2"
Connections	NPT thread
Nominal pressure	580 psi
Fluid temperature	-22°F to +338°F optional up to +392°F
Ambient temperature	-22°F to +140°F
Viscosity of the media	maximum 600 mm ² /s (600cSt)
Options	limit switches
	(inductive proximity switch/electrical switch
	pilot valve
	add. manual operation
	version free of oil and grease



3/2-way valve 7080

7080 Technical Data

Body material	Bronze
Nominal sizes (DN)	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°F)
Options	limit switches
	(inductive proximity switches / mechanical limit switches)
	solenoid valves
	manual override
	O ₂ -cleaned version



For additional information: www.schubertsalzerinc.com

3/2 - Way Control Valve with integrated positioner

7082

Technical Information

Nominal sizes	1/2" up to 2"
Connections	NPT thread: 1/2" up to 2"
Nominal pressure	580 psi
Fluid temperature	-22°F up to + 392°F

Materials

Body	Stainless steel 316 L / 316 Ti
Seating seal	PTFE
Bonnet	Brass chrome plated (actuator Ø 3") Aluminium (actuator Ø 5")
Diaphragm actuator	stainless steel 1.4301
Actuator springs	Stainless steel ASTM A313 302 (actuator Ø 3", 10") Spring steel wire C, zinc coated (actuator Ø 5")
Packing	PTFE (carbon filled), spring ASTM A313 302
Valve stem	Stainless steel 316 Ti, roller burnished
Position indicator	PA Trogamid (clear)



with digital positioner
Type 8049

3/2 - Way Motor Control Valve

7282

Technical Information Valve

Body materials	Stainless steel 316L
Nominal sizes	1/2" up to 1 1/2"
Connections	NPT thread: 1/2" up to 1 1/2"
Nominal pressure	580 psi
Fluid temperature	-22°F up to + 392°F



Technical Information Motor Actuator

Type of motor	BM24C	BM24C/I	BM24C/IOS2	BM250C/IO2	BM24	BM115	BM230
Function	Control	Control	Control	Control	On/Off	On/Off	On/Off
Nominal voltage	24 V AC/DC	24 V AC/DC	20-30V AC 20-45V DC	85-250V AC 120-250V DC	24 V AC/DC	115 V AC	230 V AC
Set point	2 - 10 V	4 - 20 mA	4 - 20 mA	4 - 20 mA	3-step	3-step	3-step
Load	100 kOhm	500 Ohm	500 Ohm	500 Ohm	-	-	-
Position feedback	2 - 10 V	2 - 10 V	4 - 20 mA	4 - 20 mA	-	-	-
external load	-	-	< 700 Ohm	< 700 Ohm	-	-	-
limit switches	-	-	2 x	2 x	-	-	-
max. switching load	-	-	24V AC/DC 70mA	24V AC/DC 70mA	-	-	-
Power consumption	3 W	3 W	3 W	4 W	3 W	6 W	6 W
Stroking time (standard)	3.5s per 0.04inch	3.5s per 0.04inch	3.5s per 0.04inch	3.5s per 0.04inch	190 s/inch	190 s/inch	190 s/inch
Thrust	800 N						
Class of protection	IP 65						
Ambient temperature	14°F up to +140°F						

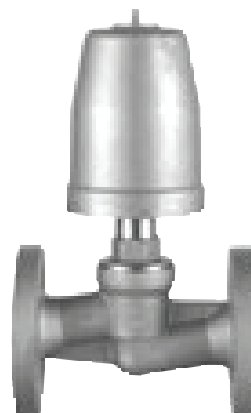
ANSI Flanged Valve

1/2" up to 2"

7032

Technical Information

Nominal sizes	1/2" up to 2"
Body material	316L Stainless Steel
Connection	Flanges acc. ANSI B16.5-Class 150 or DIN EN 1092-1
Dimensions	Acc. ANSI/ISA-75.08.01 or DIN EN 558-1 Row 1
Nominal pressure	ANSI150 or 580 psi
Max. fluid temperature:	
with metal bonnet	-22°F up to +338°F, opt. +392°F
with plastic bonnet	-22°F up to +275°F
diaphragm act. stainless steel	-22°F up to +392°F
Ambient temperature	-22°C up to +140°F
Viscosity of media	maximum 600 mm²/s (600cSt, 80°E)
Vakuum	maximum 0,001 bar abs
Working pressure for version without cavities	maximum 175 psi



ANSI Flanged Control Valve

1/2" up to 2", 580 psi

7037

Technical Information

Nominal sizes	1/2" up 2"
Body material	316L Stainless Steel
Connection	Flanges acc. ANSI B16.5-Class 150 or DIN EN 1092-1
Dimensions	Acc. ANSI/ISA-75.08.01 or DIN EN 558-1 Row 1
Pipe thread acc. DIN/ISO	1/2" - 2"
Nominal pressure	580 psi
Media temperature	-22°F up to +392°F



pneumactical positioner Type 8047
pneumactical positioner Type 8047
digital positioner Type 8049

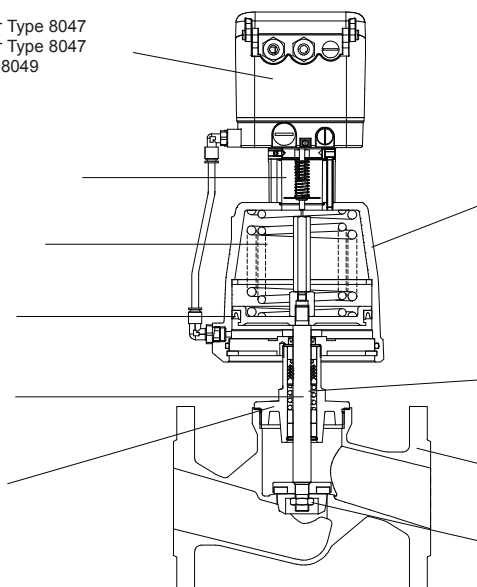
position indicator
PA Trogamid (clear)

springs

exterior lip sealing

valve stem stainless
steel 316Ti,
roller burnished

head section



bonnet brass plated
(actuator 2", 3")
aluminium, corrosion protected
(actuator 5"),
optional plastic
(actuator 2", 3")
stainless steel by request

packing from filled PTFE
(carbon filled), special version
for reduced hollow spaces
(packing underneath)

body in stainless steel
316L

seating seal PTFE and
other materials



Schubert & Salzer, Inc.

4601 Corporate Drive N.W., Suite 100
Concord, NC 28027

Phone: +1 (704) 789-0169

Fax: +1 (704) 792-9783

Toll Free U.S. & Canada:

(877) 414-9664

info@schubertsalzerinc.com

www.schubertsalzerinc.com