Control Valve 8021
with integrated positioner
GS 3 series, 1/2“ up to 10“

SCHUBERT SALZER

Pneumatic control valve for the control of neutral and aggressive fluids with integrated positioner

- Space saving wafer type construction
- Lowest possible weight
- Quiet operation
- Fast response time
- Control of high differential pressures with small actuators
- Greatly reduced energy consumption rates due to short strokes and low actuating forces on the throttle element
- High Cv-values

Technical Information

Design	ANSI flange wafer (self-aligning) for flanges acc. ASME B16.5 RF or DIN EN 1092-1 Form B		
Nominal Sizes	1/2“ - 10“		
Nominal pressure acc. EN 1033	580 psi (fits also to 145-365psi) 1450 psi 235 psi	1/2“ - 6“ 1/2“ - 3“ 8“ - 10“	
Nominal pressure acc. ANSI	ANSI 150 ANSI 300 ANSI 600	1/2“ - 10“ 1/2“ - 6“ 1/2“ - 3“	
Nominal pressure acc. JIS for flanges with raised face	10K 20K	1/2“ - 2“ 1/2“ - 1 1/2“	
Fluid Temperature	Versions from -76°F up to +662°F		
Ambient temperature*	-22°F up to +212°F		
Rangeability / Characteristic analog positioner digital positioner	 30 : 1 40 : 1 linear / 80 : 1 equal percentage		
Leakage % of Kvs IEC 60534-4 EN 12266-1	Disc pair Carbon-stainless steel < 0,0001 IV-S1 D	Disc pair SFC < 0,0005 IV-S1 E	Disc pair STN 2 < 0,001 IV E
Spezific leckage rate shaft and body sealing	ISO FE-BH-CC3-SSA0-t(-40°C/+350°C)-PN40-ISO 15848-1		
Marking ATEX non electric	II 2G Ex h IIC T6…T1 X Gb II 2D Ex h IIIC 85°C…530°C X Db		

* Please consider the limitation of use of the positioner!
** With DN15 with reduction of less than 25%, different leakage rates possible.
Kvs-values see data sheet 8001.

Fluid temperature

Rating	PN40	PN 16	PN 100	ANSI 150	ANSI 300	ANSI 600
Body material cpl. stainless steel						
Tmin [°F]	-76	-76	-76	-20	-20	-20
Tmax [°F]	662	662	662	662	662	662
Body material carbon steel with stainless steel body cover						
Tmin [°F]	-76	-76	14	-4	-4	-4
Tmax [°F]	662	662	662	662	662	662
Body material cpl. Alloy C-276						
Tmin [°F]	-76	-76	-76	-20	-20	-20
Tmax [°F]	662	662	662	662	662	662

Positioner
For technical information of our positioners please refer to the corresponding data sheets.

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Materials

	Stainless steel version			
Valve body	stainless steel, CF8M			
Bodycover	stainless steel, 316L			
Valve stem	stainless steel 316Ti, roller burnished			
coupling ring	Stainless steel 1.4581			
Packing tube	Stainless steel CF8M			
Packing	PTFE carbon filled (spring SST 301)			
Body seal	Graphite with stainless foil			
Fixed disc	stainless steel coated		STN2-disc	STN3-disc
Sliding disc	special carbon material	SFC-disc (max. +572°F)	STN2-disc	STN3-disc

	carbon steel version			
Valve body	carbon steel, ASTM A216 WCB			
Bodycover	stainless steel, 316L			
Valve stem	stainless steel 316Ti, roller burnished			
coupling ring	Stainless steel 1.4581			
Packing tube	Stainless steel CF8M			
Packing	PTFE carbon filled (spring SST 301)			
Body seal	Graphite with stainless foil			
Fixed disc	stainless steel coated		STN2-disc	STN3-disc
Sliding disc	special carbon material	SFC-disc (max. +572°F)	STN2-disc	STN3-disc

	Version in Alloy C-276	
Valve body	Alloy C-276, 2.4819	
Bodycover	Alloy C-276, 2.4819	
Valve stem	Alloy C-276, 2.4819	
coupling ring	Alloy C-276, 2.4819	
Packing tube	Alloy C-276, 2.4819	
Packing	PTFE carbon filled (spring Alloy C4, 2.4610)	
Body seal	Pure graphite	
Fixed disc	Alloy C-276, 2.4819	STN3-disc
Sliding disc	special carbon material	STN3-disc

	For all versions
Diaphragm casing	aluminium, KTL-coated or stainless steel
Actuator springs	stainless steel
Coupling	zinc die-cast or stainless steel
Mounting parts	stainless steel

Admissible differential pressures

(For temperatures of up to 250°F with PN-rating
up to 100°F with ANSI-rating)

**For temperatures of 250°F (PN) or 100°F (ANSI) and above:
obey application limits!**

Disc pair:
Carbon - stainless steel coated /
SFC - stainless steel coated /
Carbon - Alloy C-276 coated

Actuator Size	20 in²		40 in²		80 in²	
Supply Pressure (psi)	65	80	44,0	58,0	44,0	65,0
Size	maximum pressure psi		maximum pressure psi		maximum pressure psi	
1/2“ **	1480,5	1480,5	1480,5	1480,5	-	-
3/4“	1480,5	1480,5	1480,5	1480,5	-	-
1“ **	1276 (1480)*	1276 (1480)*	1276 (1480)*	1276 (1480)*	-	-
1 1/4“	1276	1480,5	1480,5	1480,5	-	-
1 1/2“ **	972	1204	1276 (1480)*	1276 (1480)*	-	-
2“ **	638	783	1088	1320	1480,5	1480,5
2 1/2“	537	653	914	1102	1160	1160
3“ **	334	421	580	696	696	696
4“	218	232	363	450	479	479
5“	145	160	247	305	334	334
6“	102	116	189	218	232	232
8“	51	65	102	131	218	232
10“	39,2	49,3	66,7	81,2	137,8	152,3
Spring Configuration	Code 3 (Standard)	Code 4	Code 3 (Standard)	Code 4	Code 6 (Standard)	Code 8

Standard

Disc pair:
STN 2 / STN 3

Actuator size	20 in²		40 in²		80 in²	
Supply Pressure (psi)	65	80	44	58	44	65
Size	maximum pressure psi		maximum pressure psi		maximum pressure psi	
1/2“ **	1480	1480	1480,5	1480,5	-	-
3/4“	1175	1480	1480,5	1480,5	-	-
1“ **	870	1088	1276 (1480)*	1276 (1480)*	1276 (1480)*	1276 (1480)*
1 1/4“	653	812	1117	1349	1480,5	1480,5
1 1/2“	450	551	769	928	1044	1044
2“ **	261	319	450	551	928	1117
2 1/2“	218	261	377	450	769	899
3“	131	145	218	276	464	522
4“	65	87	131	160	276	334
5“	44	51	87	94	189	232
6“	29	36	58	65	131	160
8“	-	-	-	-	-	-
Spring Configu-ration	Code 3 (Standard)	Code 4	Code 3 (Standard)	Code 4	Code 6 (Standard)	Code 8

Standard

Upper limits of the pressure rating

	Pressure limits ANSI and DIN in psi					
	ANSI150	ANSI 300	ANSI 600	PN16	PN40	PN100
P max. carbon steel/ Alloy C-276	284	741	1480	232	580	1450
P max. stainless steel	276	719	1440			

Admissible differential pressures

(For temperatures of up to 250°F with PN-rating
up to 100°F with ANSI-rating)

**For temperatures of 250°F (PN) or 100°F (ANSI) and above:
obey application limits!**

Disc pair:
Carbon - stainless steel coated /
SFC - stainless steel coated /
Carbon - Alloy C-276 coated

Actuator size	20 in²				40 in²				80 in²			
Spring range (psi)	22 to 44		26 to 55		17 to 32		22 to 39		17 to 32		22 to 39	
Supply Pressure (psi)	58		73		44		58		44		65	
	maximum pressure psi				maximum pressure psi				maximum pressure psi			
Size	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off
1/2“	1480	1480	1480	1480	1480	1480	1480	1480	-	-	-	-
3/4“	1117	1117	1392	1392	1480	1480	1480	1480	-	-	-	-
1“	827	827	1030	1030	1276 (1421)*	1276 (1421)*	1276 (1480)*	1276 (1480)*	1276 (1480)*	1276 (1480)*	1276 (1480)*	1276 (1480)*
1 1/4“	609	609	754	841	1059	1059	1276	1276	1480	1480	1480	1480
1 1/2“	421	421	522	638	711	711	870	870	1276 (1480)*	1276 (1480)*	1276 (1480)*	1276 (1480)*
2“	247	276	305	421	421	421	508	580	870	870	1044	1044
2 1/2“	203	232	247	348	348	348	421	493	711	711	856	856
3“	116	145	145	218	203	203	247	319	421	421	508	638
4“	73	87	87	145	131	131	145	203	261	261	319	406
5“	44	58	58	87	87	87	102	131	174	174	203	276
6“	29	44	44	73	58	58	73	102	131	131	145	203
8“	22	26	26	38	36	36	44	58	73	73	87	116
10“	13	16	16	26	22	22	28	36	46	46	55	75
Spring Configu-ration	Code 3 (Standard)		Code 4		Code 3 (Standard)		Code 4		Code 3 (Standard)		Code 4	

Standard

Upper limits of the pressure rating

	Pressure limits ANSI and DIN in psi					
	ANSI150	ANSI 300	ANSI 600	PN16	PN40	PN100
P max. carbon steel/ Alloy C-276	284	741	1480	232	580	1450
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Admissible differential pressures

(For temperatures of up to 250°F with PN-rating
up to 100°F with ANSI-rating)

**For temperatures of 250°F (PN) or 100°F (ANSI) and above:
obey application limits!**

Disc pair:
STN 2 / STN 3

Actuator Size	20 in²				40 in²				80 in²			
Spring Range (psi)	22 to 44		26 to 55		17 to 32		22 to 39		17 to 32		22 to 39	
Supply Pressure (psi)	58		73		44		58		44		65	
	maximum pressure psi				maximum pressure psi				maximum pressure psi			
Size	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off
1/2“ **	798	798	986	1015	1378	1378	1480	1480	1480	1480	1480	1480
3/4“	537	537	667	769	928	928	1131	1131	1480	1480	1480	1480
1“ **	363	377	450	580	624	624	769	798	1276 (1290)*	1276 (1290)*	1276 (1480)*	1276 (1480)*
1 1/4“	247	276	319	435	435	435	522	580	899	899	1088	1160
1 1/2“ **	160	189	203	290	276	276	348	392	580	580	696	841
2“ **	87	116	116	174	160	160	189	247	334	334	392	508
2 1/2“	73	87	87	145	131	131	160	203	261	261	319	406
3“ **	44	58	51	87	73	73	87	116	160	160	189	247
4“	22	29	29	44	44	44	58	73	87	87	116	145
5“	-	-	22	29	29	29	36	51	58	58	73	102
6“	-	-	15	22	22	22	26	36	44	44	51	73
8“	-	-	-	-	-	-	-	-	-	-	-	-
Spring Configuration	Code 3 (Standard)		Code 4		Code 3 (Standard)		Code 4		Code 6 (Standard)		Code 8	

Standard

Upper limits of the pressure rating

	Pressure limits ANSI and DIN in psi					
	ANSI150	ANSI 300	ANSI 600	PN16	PN40	PN100
P max. carbon steel/ Alloy C-276	284	741	1480	232	580	1450
P max. stainless steel	276	719	1440			

Control Valve 8021

with integrated positioner

Ordering Number System

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	0	2	1	/				V	G				M						Z			S

Type — Size — Symbol: "V": Valve; "R": Repair kit (sealings)

1 - 5 : Please quote all 5 sections.
6 - 12: Quote only if required.

1.	Function	2.	Body design	3.	Body material	4.	Safety function	5.	Actuator
G	GS-control valve with pneumatic actuator (type 8021)	E	GS3-flangeless design acc. ANSI 150	0	carbon steel ASTM A216 WCB	0	spring closes	3	diaphragm actuator 20 in² (NPT)
		F	GS3-flangeless design acc. ANSI 300	1	stainless steel 1.4408 CF8M	1	spring opens	4	diaphragm actuator 40 in² (NPT)
		K	GS3-flangeless design acc ANSI 600	5	Alloy C276, 2.4819			5	diaphragm actuator 80 in² (NPT)
		G	GS3-flangeless design acc. DIN PN10-PN40						
		H	GS3-flangeless design acc. DIN PN100						

6.	Special version	7.	Springs	8.	Stem sealing	9.	Moved disc	10.	Fixed disc
M	To state, if further sections are quoted	-	Standard	-	PTFE-packing, self adjusting (standard)	-	Carbon material	-	stainless steel 1.4571
A	groove and groove acc. DIN EN1092-1	4	8 springs	1	addtional stainless steel bellows 1.4571 (max. 33 bar)	9	STN2	1	STN2 (only in combination with pos. „9“ STN2)
C	groove and tongue acc. DIN EN1092-1	8	16 springs			S	SFC		
E	2x lowered face acc. DIN EN1092-1								
H	lowered and raised face-acc. DIN EN1092-1								

11.	Kvs-Values	12.	Flow characteristic	13.	Accessories	14.	Positioners	15.	Signalling equipment
-	100% (Stand.)	-	linear	Z	To state if further sections are quoted	-	without	-	without
A	red. auf 63 %	1	equal-%			1	p/p positioner Type 8047	0	2 limit switches M12x1 DC
1	red. auf 40 %					3	i/p positioner Type 8047		
B	red. auf 25 %					8	i/p positioner with plug connec. M12x1		
2	red. auf 16 %					C	dig. positioner, type 8049, 4-wire		
6	red. auf 20 %					R	dig. positioner, type 8049, 2-wire		
7	red. auf 12 %					T	dig. positioner, type 8049, AS-i version		
8	red. auf 2 %					W	dig. positioner, type 8049, 2-wire, ex-version		
9	red. auf 0,4%								

16.	Further versions
S	Other special versions have to be quoted in letters!

Ordering Example: 8021/080VGE106M------Z8
GS3-Control Valve Type 8021 with pneumatic actuator, 3“, flangeless design design acc. ANSI 150, stainless steel 316 Ti, spring to close, actuator diaphgram 20 in², standard springs, PTFE-V-shaped sealing, function unit carbon-stainless steel 316 Ti coated, flow characteristic linear, i/p-positioner

Application limitations for GS3 valves in stainless steel

These pressure must not be exceeded for GS-valves from the GS3-series made of stainless steel, even though the actuator power might allow it.

ANSI150

Size	Sliding unit: carbon/SFC - stainless steel, coated max. admissible pressures for GS3-valves in stainless steel								Sliding unit: STN2 max. admissible pressures for GS3-valves in stainless steel							
	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“ - 5“	275,0	265,0	235,0	215,0	200,0	175,0	150,0	120,0	275,0	265,0	235,0	215,0	200,0	175,0	150,0	120,0
6“	230,0	230,0	230,0	215,0	200,0	175,0	150,0	120,0	235,0	235,0	235,0	215,0	200,0	170,0	140,0	120,0
8“	230,0	230,0	230,0	215,0	200,0	175,0	150,0	120,0	-	-	-	-	-	-	-	-
10“	150,0	150,0	150,0	145,0	135,0	120,0	105,0	100,0	-	-	-	-	-	-	-	-

Limitation for SFC-sliding discs: 570°F

ANSI300

Size	Sliding unit: carbon/SFC - stainless steel, coated max. admissible pressures for GS3-valves in stainless steel								Sliding unit: STN2 max. admissible pressures for GS3-valves in stainless steel							
	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“ - 2 1/2“	720,0	695,0	610,0	560,0	520,0	485,0	460,0	440,0	720,0	695,0	610,0	560,0	520,0	485,0	460,0	440,0
3“	695,0	695,0	610,0	560,0	520,0	485,0	460,0	440,0	530,0	530,0	530,0	505,0	480,0	390,0	320,0	275,0
4“	480,0	480,0	480,0	480,0	480,0	480,0	460,0	440,0	480,0	480,0	480,0	460,0	435,0	355,0	290,0	250,0
5“	335,0	335,0	335,0	335,0	335,0	335,0	335,0	335,0	320,0	320,0	320,0	305,0	290,0	235,0	190,0	165,0
6“	230,0	230,0	230,0	230,0	230,0	230,0	230,0	230,0	230,0	230,0	230,0	225,0	210,0	170,0	140,0	120,0

Limitation for SFC-sliding discs: 570°F

ANSI600

Size	Sliding unit: carbon/SFC - stainless steel, coated max. admissible pressures for GS3-valves in stainless steel								Sliding unit: STN2 max. admissible pressures for GS3-valves in stainless steel							
	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“ - 3/4“	1440,0	1395,0	1225,0	1115,0	1035,0	970,0	915,0	880,0	1440,0	1395,0	1225,0	1115,0	1035,0	970,0	915,0	880,0
1“	1275,0	1275,0	1225,0	1115,0	1015,0	925,0	830,0	785,0	1275,0	1275,0	1225,0	1115,0	1015,0	925,0	830,0	785,0
1 1/4“	1440,0	1395,0	1225,0	1115,0	1035,0	970,0	915,0	880,0	1440,0	1395,0	1225,0	1115,0	1035,0	970,0	915,0	875,0
1 1/2“	1275,0	1275,0	1225,0	1115,0	1015,0	925,0	830,0	785,0	1050,0	1050,0	1050,0	1000,0	950,0	770,0	630,0	545,0
2“	1440,0	1395,0	1225,0	1115,0	1035,0	970,0	915,0	880,0	1125,0	1125,0	1125,0	1070,0	1020,0	825,0	675,0	585,0
2 1/2“	1160,0	1160,0	1160,0	1115,0	1035,0	970,0	915,0	880,0	905,0	905,0	605,0	865,0	820,0	665,0	545,0	470,0
3“	695,0	695,0	695,0	695,0	695,0	695,0	695,0	645,0	530,0	530,0	530,0	505,0	480,0	390,0	320,0	275,0

Limitation for SFC-sliding discs: 570°F

PN40

Size	Sliding unit: carbon/SFC - stainless steel, coated maximum pressures for GS3-valves in stainless steel						Paarung: STN 2 maximum pressures for GS3-valves in stainless steel					
	210°F	300°F	390°F	480°F	570°F	660°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“-1 1/4“	580	580	580	580	580	580	580	580	580	580	580	580
1 1/2“	580	580	580	580	580	580	580	580	580	580	580	535
2“	580	580	580	580	580	580	580	580	580	580	580	580
2 1/2“	580	580	580	580	580	580	580	580	580	580	535	465
3“	580	580	580	580	580	580	520	495	480	375	320	275
4“	480	480	480	480	480	480	465	450	435	350	290	245
5“	335	335	335	335	335	335	305	305	275	230	190	160
6“	230	230	230	230	230	230	220	220	205	160	130	115
8“ (only PN16)	230	230	220	190	175	160	-	-	-	-	-	-
10“ (only PN16)	145	130	130	115	100	85	-	-	-	-	-	-

Limitation for SFC-sliding discs: 570°F

PN100

Size	Sliding unit: carbon/SFC - stainless steel, coated maximum pressures for GS3-valves in stainless steel						Paarung: STN 2 maximum pressures for GS3-valves in stainless steel					
	210°F	300°F	390°F	480°F	570°F	660°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“	1450	1450	1450	1350	1220	1145	1450	1450	1450	1350	1220	1145
3/4“	1450	1450	1290	1175	1060	985	1450	1450	1290	1175	1060	985
1“	1275	1175	1015	915	825	785	1275	1175	1015	915	825	785
1 1/4“	1450	1350	1160	1060	945	900	1450	1350	1160	1060	945	870
1 1/2“	1275	1175	1015	915	825	785	1045	1000	945	770	625	535
2“	1450	1450	1450	1450	1450	1365	1115	1060	1015	810	665	580
2 1/2“	1160	1160	1160	1145	1030	970	900	855	810	655	535	465
3“	695	695	695	695	695	640	520	495	480	375	320	275

Limitation for SFC-sliding discs: 570°F

Application limitations for GS3 valves in carbon steel

These pressure must not be exceeded for GS-valves from the GS3-series made of carbon steel, even though the actuator power might allow it.

ANSI150

Size	Sliding unit: carbon/SFC - stainless steel, coated max. admissible pressures for GS3-valves in carbon steel								Sliding unit: STN2 max. admissible pressures for GS3-valves in carbon steel							
	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“-5“	285	280	255	230	200	175	150	120	285	280	255	230	200	175	150	120
6“	230	230	230	230	200	175	150	120	235	235	235	225	200	170	140	115
8“	230	230	230	230	200	175	150	120	-	-	-	-	-	-	-	-
10“	150	150	150	145	135	120	105	87	-	-	-	-	-	-	-	-

Limitation for SFC-sliding discs: 570°F

ANSI300

Size	Sliding unit: carbon/SFC - stainless steel, coated max. admissible pressures for GS3-valves in carbon steel								Sliding unit: STN2 max. admissible pressures for GS3-valves in carbon steel							
	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F	100°F	120°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“-2“	740	725	675	655	635	610	565	535	740	725	675	655	635	610	565	535
2 1/2“	740	725	675	655	635	610	565	535	605	605	605	575	545	485	550	470
3“	695	695	675	655	635	610	565	535	530	530	530	505	480	390	319	275
4“	480	480	480	480	480	480	475	475	480	480	480	460	435	355	290	245
5“	335	335	335	335	335	335	330	330	320	320	320	305	290	235	191	155
6“	230	230	230	230	230	230	230	230	230	230	230	225	210	170	141	115

Limitation for SFC-sliding discs: 570°F

PN40

Size	Sliding unit: carbon/SFC - stainless steel, coated max. admissible pressures for GS3-valves in carbon steel						Sliding unit: STN2 max. admissible pressures for GS3-valves in carbon steel					
	210°F	300°F	390°F	480°F	570°F	660°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“ - 2“	580	580	580	580	580	580	580	580	580	580	580	580
2 1/2“	580	580	580	580	580	580	580	580	580	580	535	460
3“	580	580	580	580	580	580	520	495	480	375	320	275
4“	480	480	480	480	480	475	480	450	435	350	290	245
5“	335	335	335	335	335	330	320	305	275	230	190	155
6“	230	230	230	230	230	230	230	220	205	160	130	115
8“ (only PN16)	230	230	220	190	175	155	-	-	-	-	-	-
10“ (only PN16)	145	130	130	115	100	87	-	-	-	-	-	-

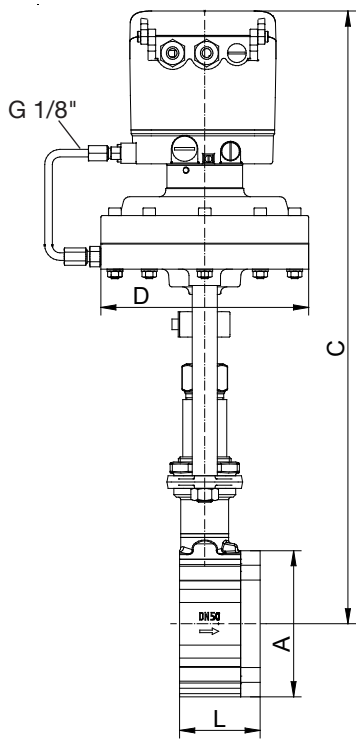
Limitation for SFC-sliding discs: 570°F

PN100

Size	Sliding unit: carbon/SFC - stainless steel, coated max. admissible pressures for GS3-valves in carbon steel						Sliding unit: STN2 max. admissible pressures for GS3-valves in carbon steel					
	210°F	300°F	390°F	480°F	570°F	660°F	210°F	300°F	390°F	480°F	570°F	660°F
1/2“ - 3/4“	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
1“	1450	1450	1450	1450	1365	1260	1450	1450	1450	1450	1365	1260
1 1/4“	1450	1450	1450	1450	1450	1435	1450	1450	1450	1220	1000	870
1 1/2“	1450	1450	1450	1450	1365	1260	1045	1000	945	770	625	535
2“	1450	1450	1450	1450	1450	1360	1115	1060	1015	810	665	580
2 1/2“	1160	1160	1160	1160	1160	1100	900	855	810	655	535	460
3“	695	695	695	695	695	635	520	495	480	375	320	275

Limitation for SFC-sliding discs: 570°F

Dimensions and Weights



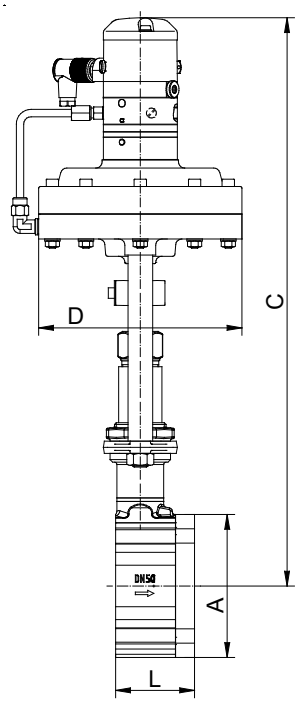
digital - positioner Type 8049

Size	Ø A	C*	Ø D for actuator			L	Stroke	Weight (lbs) for actuator		
			20 in²	40 in²	80 in²			20 in²	40 in²	80 in²
1/2“	2.52	18.11	6.5	8.74	8.74	2.2	0.24	16.5	21.3	29.5
3/4“	2.83	18.31	6.5	8.74	8.74	2.2	0.24	17	21.8	30
1“	3.23	18.5	6.5	8.74	8.74	2.2	0.24	17.9	22.7	30.9
1 1/4“	3.5	18.7	6.5	8.74	8.74	2.2	0.24	18.7	23.5	31.7
1 1/2“	3.9	18.9	6.5	8.74	8.74	2.2	0.24	19.6	24.5	32.6
2“	4.57	19.29	6.5	8.74	8.74	2.52	0.31	23.1	28	36.1
2 1/2“	5.43	19.69	6.5	8.74	8.74	2.68	0.31	27.1	32	40.1
3“	6.02	20.08	6.5	8.74	8.74	2.76	0.31	29.6	34.4	42.5
4“	7.24	20.47	6.5	8.74	8.74	2.95	0.33	37.1	42	50.1
5“	8.35	21.06	6.5	8.74	8.74	3.15	0.33	46.5	51.3	59.5
6“	9.53	21.65	6.5	8.74	8.74	3.15	0.33	54.6	59.4	67.6
8“	11.89	22.83	6.5	8.74	8.74	3.66	0.33	91.7	96.6	104.7
10“	14.17	23.82	6.5	8.74	8.74	3.78	0.33	103.2	108	116.2

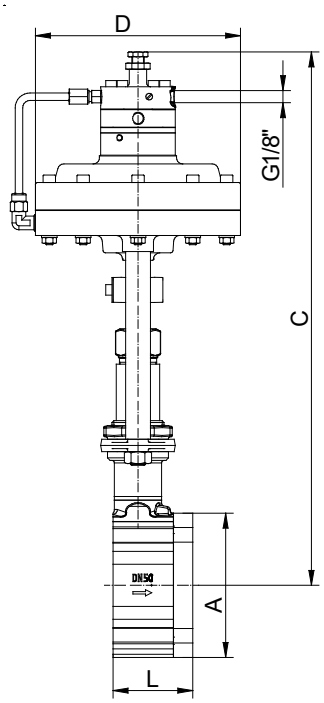
* for actuator 80 in² + 1,9 „

Dimensions in inch

Dimensions and Weights



i/p - positioner
Type 8047



p/p - positioner
Type 8047

Size	Ø A	C1*	C2*	Ø D for actuator			L	Stroke	Weight (lbs) for actuator		
				20 in²	40 in²	80 in²			20 in²	40 in²	80 in²
1/2“	2.52	16.93	15.75	6.5	8.74	8.74	2.2	0.24	16.5	21.3	29.5
3/4“	2.83	17.13	15.94	6.5	8.74	8.74	2.2	0.24	17	21.8	30
1“	3.23	17.32	16.14	6.5	8.74	8.74	2.2	0.24	17.9	22.7	30.9
1 1/4“	3.5	17.52	16.34	6.5	8.74	8.74	2.2	0.24	18.7	23.5	31.7
1 1/2“	3.9	17.72	16.54	6.5	8.74	8.74	2.2	0.24	19.6	24.5	32.6
2“	4.57	18.11	16.93	6.5	8.74	8.74	2.52	0.31	23.1	28	36.1
2 1/2“	5.43	18.5	17.32	6.5	8.74	8.74	2.68	0.31	27.1	32	40.1
3“	6.02	18.9	17.72	6.5	8.74	8.74	2.76	0.31	29.6	34.4	42.5
4“	7.24	19.29	18.11	6.5	8.74	8.74	2.95	0.33	37.1	42	50.1
5“	8.35	19.88	18.7	6.5	8.74	8.74	3.15	0.33	46.5	51.3	59.5
6“	9.53	20.47	19.29	6.5	8.74	8.74	3.15	0.33	54.6	59.4	67.6
8“	11.89	21.65	20.47	6.5	8.74	8.74	3.66	0.33	91.7	96.6	104.7
10“	14.17	22.64	21.46	6.5	8.74	8.74	3.78	0.35	103.2	109.8	116.2

* for actuator 80 in² +1.87“

Dimensions in inch