

Low Temperature Valve 8056

manual control valve

GS 3 series, 1/2" up to 4"



Pneumatic manual control valve for the control of neutral through to highly aggressive media in process engineering, chemical industries and for plant equipment.

- Space-saving wafer-type design
- Lowest possible weight
- Quiet operation
- Precise control by hand
- Control of high differential pressures
- High Kvs-values



Technical Information

Design	ANSI flange wafer (self-aligning)	
Nominal Sizes	1/2" - 4"	
Nominal pressure acc. DIN 2401 for flanges with facing type B	580 psi (fits also to 145 up to 365 psi)	1/2" - 4"
Nominal pressure acc. ANSI for flanges acc. ASME B 16.5 RF	ANSI 150 ANSI 300	1/2" - 4"
Nominal pressure acc. JIS for „raised face“ flanges	10K 20K	1/2" - 2" 1/2" - 1 1/2"
Fluid Temperature	down to -328°F	
Leakage	Disc pair Carbon-stainless steel	
% of Kvs IEC 60534-4 EN 12266-1	< 0,0001 IV-S1 E	
Marking ATEX non electric	II 2G Ex h IIC T6...T1 X Gb II 2D Ex h IIIC 85°C...530°C X Db	
Specific leakage rate shaft and body sealing	ISO FE-BH-CC3-SSA0-t(-40°C/+350°C)-PN40-ISO 15848-1	

* With DN15 with reduction of less than 25%, different leakage rates possible.

K_{vs}-values see data sheet 8001.

Materials

Body	Stainless steel CF8M
Bodycover	Stainless steel 316 Ti or 316 L
Packing	PTFE (Carbon filled), spring SST 301
Actuating stem	Stainless steel 316 Ti, roller burnished
Bellows	Stainless steel 316 Ti or Inconel 625
Fixed disc	Stainless steel 316 Ti, coated
Sliding disc	Special carbon material
Guide ring for sliding disc	Stainless steel 316 Ti

Differential pressures for temperatures down to -328°F

Version	Standard bellows	PN100 bellows
Size	maximum pressure psi	
1/2"	479	719
3/4"	479	719
1"	479	719
1 1/4"	479	719
1 1/2"	479	719
2"	479	719
2 1/2"	479	719
3"	479	719
4"	479	719

Standard

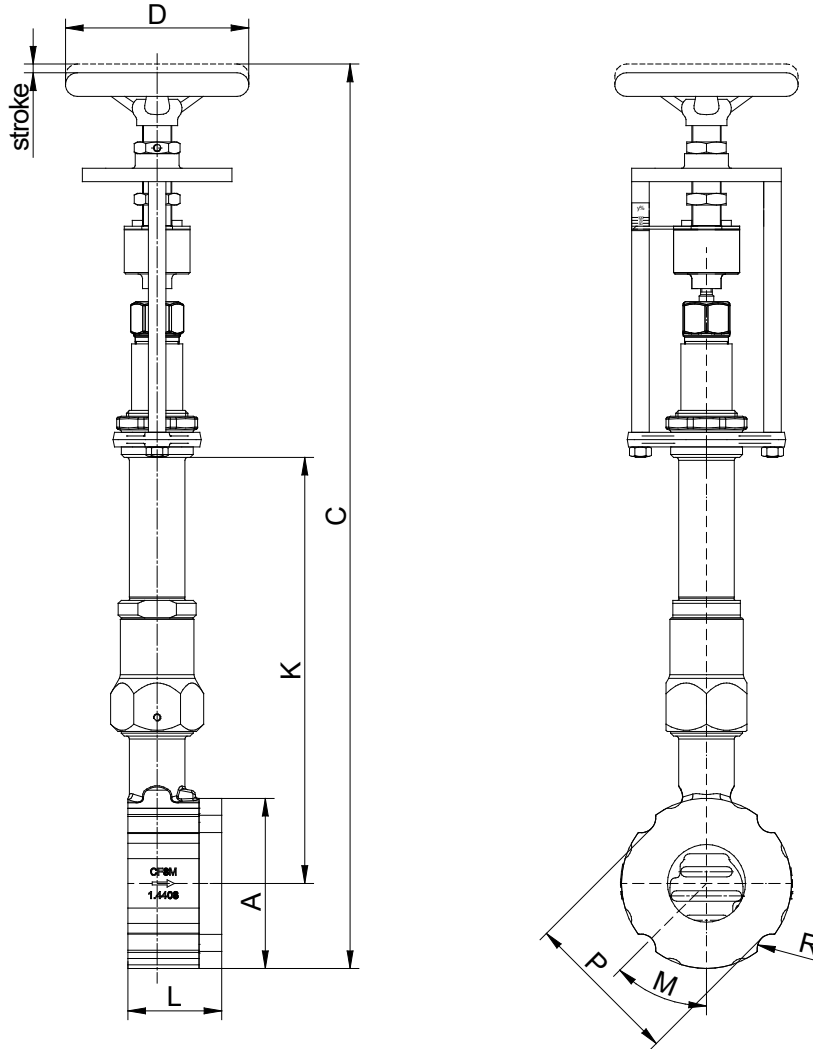
P max. stainless steel	Pressure limits ANSI in psi		
	PN40	ANSI 150	ANSI 300
	580	276	719

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Dimensions and weight



Size	A inch	C inch	K inch	Ø D	PN 40			ANSI 150			ANSI 300			ANSI 600			L inch	Weight lbs	Stroke inch
					P	M	number of the jump	P	M	number of the jump	P	M	number of the jump	P	M	number of the jump			
1/2"	2.5	20.75	10.45	4.9	2.1	1.75	0.15	1.9	1.75	4	2.1	1.75	4	2.1	1.75	4	2.2	17.6	0.25
3/4"	2.85	20.95	10.6	4.9	2.5	1.75	0.15	2.3	1.75	4	2.7	1.75	4	2.7	1.75	4	2.2	22	0.25
1"	3.25	21.1	10.8	4.9	2.85	1.75	0.15	2.65	1.75	4	2.85	1.75	4	2.85	1.75	4	2.2	22	0.25
1 1/4"	3.5	21.2	10.9	4.9	3.25	1.75	0.15	3.05	1.75	4	3.25	1.75	4	3.25	1.75	4	2.2	22	0.25
1 1/2"	3.9	21.4	11.1	4.9	3.7	1.75	0.15	3.45	1.75	4	3.7	1.75	4	3.7	1.75	4	2.2	22	0.25
2"	4.55	21.75	11.45	4.9	4.55	1.75	0.15	4.15	1.75	4	4.4	0.9	8	4.4	0.9	8	2.5	22	0.3
2 1/2"	5.45	22.1	11.8	4.9	5.1	0.9	0.3	4.9	1.75	4	5.1	0.9	8	5.1	0.9	8	2.7	22	0.3
3"	6	22.45	12.15	4.9	5.65	0.9	0.3	5.45	1.75	4	5.9	0.9	8	5.9	0.9	8	2.75	22	0.3
4"	7.25	22.95	12.65	4.9	6.45	0.9	0.3	6.95	0.9	8	7.15	0.9	8	-	-	-	2.95	22	0.35

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Ordering code	-	A	1	B	6	2	7	C	3	4	8	5	9	
Size	Charact.	100 %	63 %	40 %	25 %	20%	16 %	12 %	10 %	6,3 %	2,5 %	2 %	1 %	0,4%
1/2"	(mod.) linear	4.6	3	2	1.6	-	0.82	0.57	0.51	0.3	0.16	0.09	0.05	0.021
	eq. perc.	2	-	1.3	-	0.4	-	-	-	0.12	-	-	-	-
3/4"	(mod.) lin.	7.4	-	-	-	-	1.16	-	-	-	-	0.15	-	-
	eq. perc.	3.5	-	1.7	-	-	-	-	-	-	-	-	-	-
1"	(mod.) linear	13	7.4	4.6	-	-	1.9	-	1.08	0.72	0.3	-	0.16	0.05
	eq. perc.	5.8	-	2.8	-	1.3	-	-	-	-	-	-	-	-
1	(mod.) linear	19	12	-	-	-	-	-	-	-	-	-	-	-
1/4"	eq. perc.	9.3	-	-	-	-	-	-	-	-	-	-	-	-
1	(mod.) lin.	30	19	13	8.1	-	-	-	-	-	-	-	-	-
1/2"	eq. perc.	13	9.9	-	3.2	-	-	-	-	-	-	-	-	-
2"	(mod.) linear	52	32	23	14	12	-	-	-	-	-	-	-	-
	eq. perc.	22	14	-	-	-	-	-	-	-	-	-	-	-
2	(mod.) linear	60	41	-	17	-	-	-	-	-	-	-	-	-
1/2"	eq. perc.	35	-	-	9.3	-	-	-	-	-	-	-	-	-
3"	(mod.) linear	107	67	46	-	-	-	-	-	-	-	-	-	-
	eq.perc.	56	41	-	-	-	-	-	-	-	-	-	-	-
4"	(mod.) linear	179	110	72	-	-	-	-	-	-	-	-	-	-
	eq.perc.	89	56	-	-	-	-	-	-	-	-	-	-	-
5"	(mod.) linear	275	-	110	-	-	-	-	-	-	-	-	-	-
	eq.perc.	135	-	-	-	-	-	-	-	-	-	-	-	-
6"	(mod.) linear	392	246	-	-	-	-	-	-	-	-	-	-	-
	eq.perc.	171	104	-	-	-	-	-	-	-	-	-	-	-
8"	(mod.) linear	650	408	-	-	-	-	-	-	-	-	-	-	-
	eq.perc.	296	-	-	-	-	-	-	-	-	-	-	-	-
10"	(mod.) linear	1056	667	-	-	-	-	-	-	-	-	-	-	-
	eq.perc.	-	-	-	-	-	-	-	-	-	-	-	-	-

Text and pictures are not binding. We reserve the right, to alter the equipment.