

Low Temperature Valve 8056



manual control valve

GS 3 series, DN 15 up to DN 100

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	wafer-type design	
Nominal Sizes	DN 15 up to 100 (1/2" - 4")	
Nominal pressure acc. DIN 2401 for flanges with facing type B	PN 40 (fits also to PN 10-25)	DN 15 - DN 100
Nominal pressure acc. ANSI for flanges acc. ASME B 16.5 RF	ANSI 150 ANSI 300	DN 15 - DN 100 DN 15 - DN 100
Nominal pressure acc. JIS for „raised face“ flanges	10K 20K	DN 15 - DN 50 DN 15 - DN 40
Fluid Temperature	down to -200°C	
Leakage % of Kvs IEC 60534-4 EN 12266-1	Disc pair Carbon-stainless steel < 0,0001 IV-S1 E	
stem seal	bellows with additional packing	
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 1.4408
Bodycover	Stainless steel 1.4404 or 316L
Packing	PTFE (Carbon filled), spring 1.4310
Actuating stem	Stainless steel 1.4571, roller burnished
Bellows	Stainless steel 1.4571 or Inconel 625
Fixed disc	Stainless steel 1.4571, coated
Sliding disc	Special carbon material
Guide ring for sliding disc	Stainless steel 1.4581

Differential pressures for temperatures down to -200°C

Version	Standard bellows	PN100 bellows
DN	max. admissible differential pressure (bar)	
15	33	50
20	33	50
25	33	50
32	33	50
40	33	50
50	33	50
65	33	50
80	33	50
100	33	50

Standard

	Upper limits for admissible pressures in bar		
	PN40	ANSI150	ANSI 300
P max. stainless steel	40	19,0	49,6

Low Temperature Valve 8056-GS3



manual control valve

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Type Size

Symbol: "V": Valve
"R": Repair kit (sealings)

1 - 5 : Please quote all 5 sections.
6 - 17: Quote only if required.

1. Function	2. Design	3. Body material	4.	5. Actuator	6. Special versions
H manual control valve type 8056 (low temperature version)	G GS3-flangeless design acc. DIN, PN10-PN40, (DN200: PN16; DN250: PN10-PN16)	1 stainless steel 1.4408	-	without significance	M Special versions
	E GS3 flangeless design acc. ANSI 150				A groove and groove acc. DIN EN 1092-1
	F GS3 flangeless design acc. ANSI 300 GS3-flangeless design				C groove and tongue acc. DIN EN 1092-1
	N acc. JIS-20K (suitable f. JIS-16K/-10K, DN50 only in JIS-10K)				E lowered face/ lowered face acc. DIN EN 1092-1
	Y GS3-design				H lowered face/ raised face acc. DIN EN 1092-1
					P sealing surface Ra 1.6

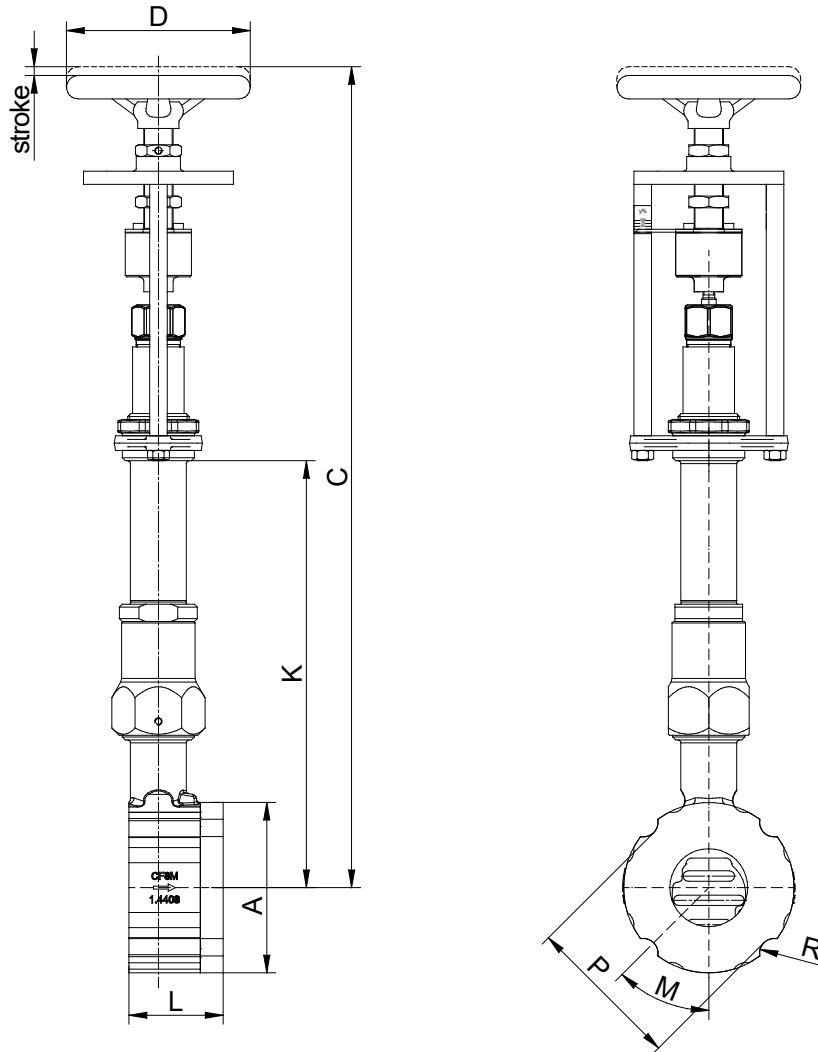
7.	8. Stem sealing	9. Moving disc	10. Fixed plate	11. Cv-values	12. Characteristic
- without significance	- Standard, Metall-Faltenbalg (aus 1.4571) + PTFE-Packung (max. Druck 33 bar) 2 additional metal bellows PN 100	- carbon material	- standard coating, stainless steel 1.4571(AISI 316Ti)	- 100% (Stand.)	- linear 1 equal%
				A red. to 63 %	
				1 red. to 40 %	
				B red. to 25 %	
				2 red. to 16 %	
				C red. to 10 %	
				3 red. to 6,3 %	
				4 red. to 2,5 %	
				5 red. to 1 %	
				6 red. to 20%	
7 red. to 12 %					
8 red. to 2%					
9 red. to 0,4 %					

Ordering Example: 8056/015VHG1-5M----11
 GS manual control valve (low-temperature version), DN 15 (Kvs 1.1; Cv 1.3) GS3 intermediate flange design according to DIN, PN10-PN40, (for DN200 PN16; for DN250 PN10-PN16) Standard coating, stainless steel 1.4571, red. to 40%, equal%

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Weight and dimensions



DN	A mm	C max mm	K mm	Ø D	PN 40			ANSI 150			ANSI 300			ANSI 600			L mm	R	Stroke mm
					P	M	number of the jump	P	M	number of the jump	P	M	number of the jump	P	M	number of the jump			
15	64	527	265	125	53	45	4	48,8	45	4	53	45	4	53	45	4	56	8	6
20	72	531,5	269,5	125	63	45	4	58,2	45	4	68	45	4	68	45	4	56	10	6
25	82	536	274	125	73	45	4	67,6	45	4	73	45	4	73	45	4	56	10	6
32	89	538,5	276,5	125	83	45	4	77	45	4	83	45	4	83	45	4	56	10	6
40	99	544	282	125	94	45	4	87	45	4	94	45	4	94	45	4	56	10	6
50	116	552,5	290,5	125	106	45	4	106	45	4	112	22,5	8	112	22,5	8	64	10	8
65	138	561,5	299,5	125	129	22,5	8	125	45	4	129	22,5	8	129	22,5	8	68	10	8
80	153	570	308	125	144	22,5	8	138	45	4	150	22,5	8	150	22,5	8	70	10	8
100	184	583,3	321,3	125	164	22,5	8	176	22,5	8	182	22,5	8	-	-	-	75	10	8,5

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