

Low Temperature Sliding Gate Valve 8056

GS 3 series - DN 15 up to DN 100

Manually operated sliding gate valve for controlling or shutting off liquid and gaseous media for industrial low temperature applications

- Space-saving wafer-type design
- Lowest possible weight
- Quiet operation
- Precise control by hand
- Control of high differential pressures
- High Kvs-values
- Meets the requirements of TA-Luft 2021



Technical Information

Design	wafer-type design For flanges acc. DIN EN 1092-1 Form B or ASME B16.5 RF further versions see data sheet 8056-GS1	
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	
Ambient temperature	-30°C up to +100°C	
Flange gaskets (customer side)	DIN EN 1514-1 or ANSI B16.21 in the respective nominal pressure rating	
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

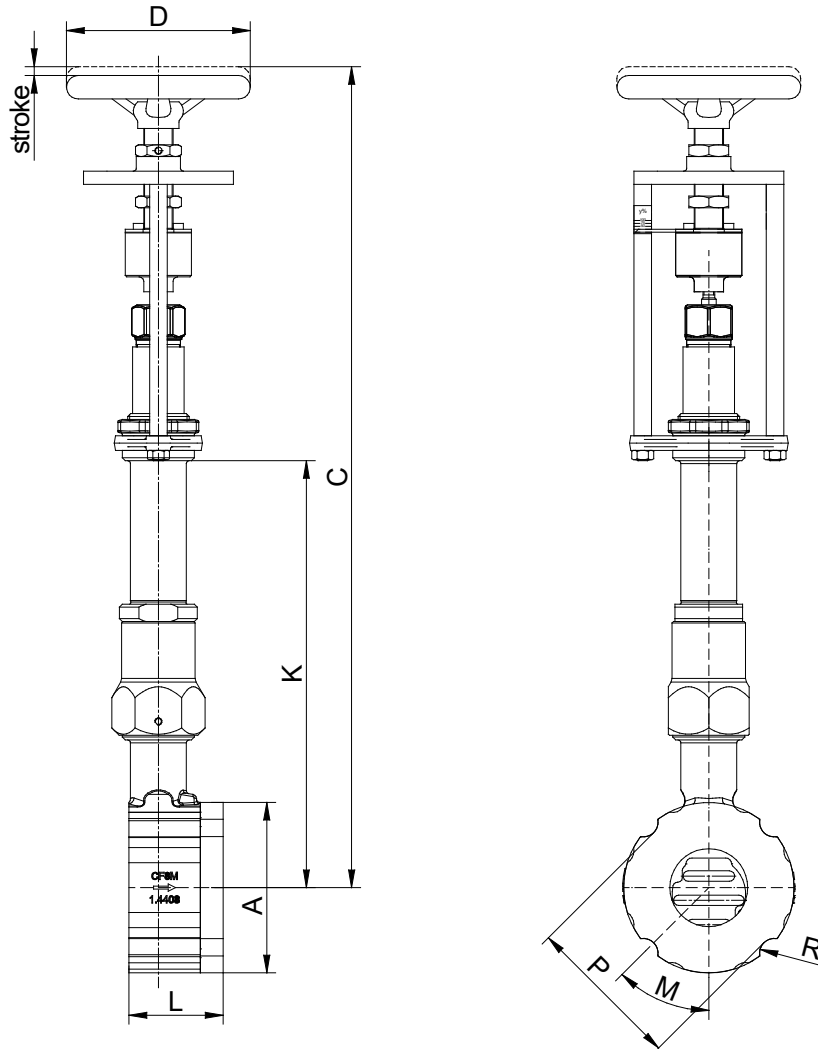
Differential pressures for temperatures down to -200°C

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

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.