

Angle Seat Valve 7010

DIN 161

DN 8 up to DN 65

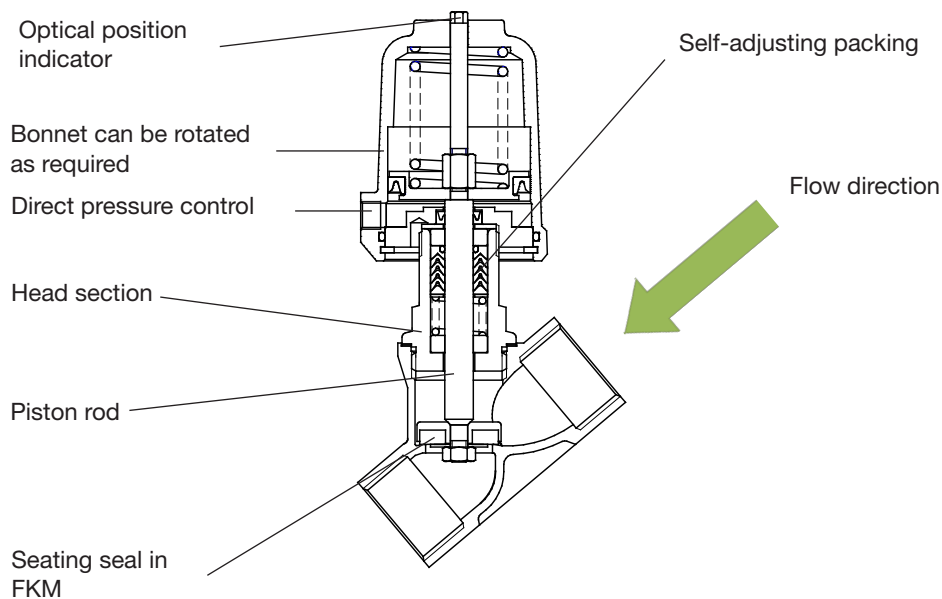
Pneumatically operated shut-off valve for gas burner and gas appliances acc. to DIN 161

- Compact design
- Function „closing with flow“
- For Temperatures from -10°C up to +60°C
- Working pressure up to 5 bar
- Actuators swiveling



Technical Information

	Body material	
	Stainl. steel 1.4408	Brass CC754S
Nominal size	DN 8 to DN 65	DN 65
Connections:		
Pipe thread acc. ISO 228-1	1/4" - 2 1/2"	2 1/2"
Max. operating pressure	see page 2	
Max. fluid temperature	-10°C up to +60°C	
Ambient temperature	-10°C up to +60°C	
Leakage acc. to DIN 161	class A	
Bending and torsional moment acc. to DIN 161	group 2	
Packing Leakage	ISO FE BH-CC3-SSA1-t(-30°C, +80°C) Test pressure 40 bar	

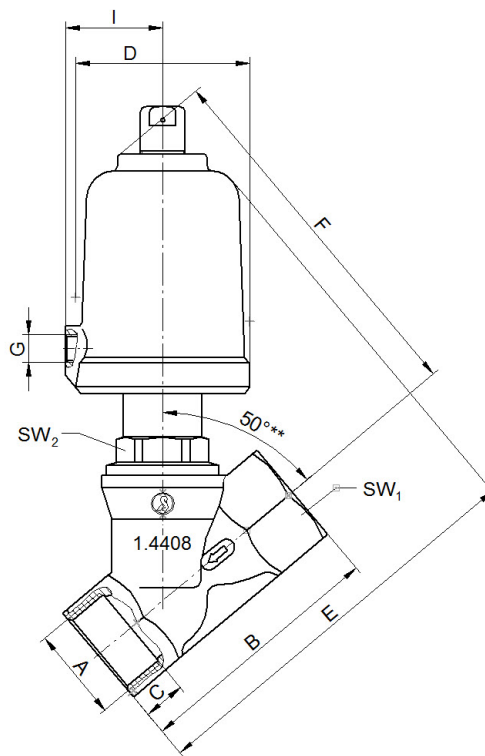


Working and pilot pressure

Nominal width	actuator diameter	max. working pressure	min. pilot pressure	Springs*
DN 8	50 mm	5 bar	3,5 bar	1
DN 10	50 mm	5 bar	3,5 bar	1
DN 15	50 mm	5 bar	3,5 bar	1
DN 20	50 mm	5 bar	3,5 bar	1
DN 25	50 mm	5 bar	3,5 bar	1
DN 32	50 mm	5 bar	3,5 bar	1
DN 40	80 mm	5 bar	3,5 bar	1
DN 50	80 mm	5 bar	3,5 bar	1
DN 65	80 mm	4,7 bar	3,5 bar	1

* One „strong“ spring

Dimensions and weights



DN	actuator diameter	A G/NPT	B		C	D	E		F	G	H (stroke)	I	SW1		SW 2 stand.	Kvs-values		Weight (kg)
			stainl.st.	brass			stainl.st.	brass					stainl.st.	brass		stainl.st.	brass	
8	50	1/4"	60	-	12	62	130	-	123	G1/8"	8,5	34,5	20	-	30	0,95	-	1
10	50	3/8"	60	-	12	62	130	-	123	G1/8"	9	34,5	23	-	30	1,6	-	1,05
15	50	1/2"	65	-	15	62	135	-	120	G1/8"	7	34,5	25	-	30	3,5	-	1,1
20	50	3/4"	75	-	16,3	62	135	-	125	G1/8"	12	34,5	31	-	30	8	-	1,2
25	50	1"	90	-	19,1	62	145	-	130	G1/8"	16	34,5	39	-	30	15	-	1,4
32	50	1 1/4"	110	-	21,4	62	160	-	145	G1/8"	16	34,5	48	-	30	21	-	1,8
40	80	1 1/2"	120	-	21,4	96	205	-	195	G1/4"	23	55	55	-	30	35	-	3,6
50	80	2"	150	-	25,7	96	225	-	200	G1/4"	29	55	68	-	32	55	-	4,2
65	80	2 1/2"	180	180	30,2	96	260	260	220	G1/4"	29	55	85	85	36	80	93	6,2

* Installation length acc. to DIN 3202, T4 M8,

Nominal flow at air 20°C

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 8	0,95	0,5	19
		1	27
		1,5	34
		2	39
		2,5	43
		3	48
		3,5	51
		4	55
		4,5	58
5	61		

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 10	1,6	0,5	33
		1	46
		1,5	57
		2	65
		2,5	73
		3	80
		3,5	86
		4	92
		4,5	98
5	103		

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 15	3,5	0,5	71
		1	101
		1,5	124
		2	143
		2,5	160
		3	175
		3,5	189
		4	202
		4,5	214
5	226		

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 20	8	0,5	163
		1	231
		1,5	283
		2	327
		2,5	365
		3	400
		3,5	432
		4	462
		4,5	490
5	516		

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 25	15	0,5	306
		1	433
		1,5	530
		2	612
		2,5	685
		3	750
		3,5	810
		4	866
		4,5	919
5	968		

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 32	21	0,5	429
		1	606
		1,5	742
		2	857
		2,5	959
		3	1050
		3,5	1134
		4	1212
		4,5	1286
5	1356		

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 40	35	0,5	714
		1	1010
		1,5	1237
		2	1429
		2,5	1598
		3	1750
		3,5	1890
		4	2021
		4,5	2143
5	2259		

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 50	55	0,5	1123
		1	1588
		1,5	1945
		2	2245
		2,5	2510
		3	2750
		3,5	2970
		4	3175
		4,5	3368
5	3550		

Nominal diameter	KV-value	dp in bar	Air volume flow in m³/h at 20°C
DN 65	80	0,5	1633
		1	2309
		1,5	2828
		2	3266
		2,5	3651
		3	4000
		3,5	4320
		4	4619
		4,5	4899
5	5164		

