Partnership. With Guarantee.

Shut-off valve stainless steel
Series GL116



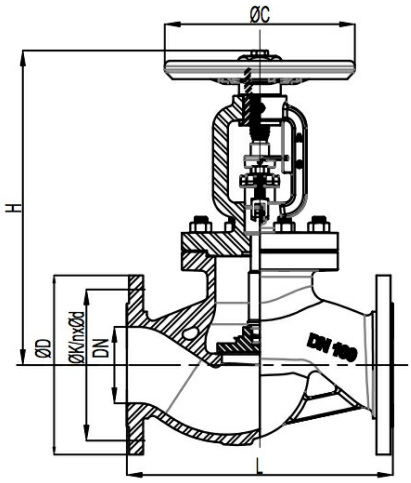
Design type	Shut-off valve, straight-through design, with bellows, with back seal and Stuffing box packing, metal-to-metal sealing, non-rising stem, external spindle thread, visual position indicator
Connection	Flanges DN15...DN250 according to EN1092-1 PN40
Materials	Housing 1.4408, Seat, Cone and Spindle Stainless steel 1.4401, Bellows Stainless steel 1.4541, Handwheel Steel, Package Graphite
Mounting type	Installation in rigid piping system
Mounting position	any
Application range	Fluids and gases of group 1 and 2 in accordance with PED 2014/68/EU that do not attack the materials used.
Medium temperature	-10...+400°C
Operating pressure	Nominal pressure according to the pressure-temperature table
Actuation	via steel handwheel
Overall length	corresponding DIN EN558-1R1
Approvals	ATEX on request
Special versions	Control cone, Cone with soft seal, pressure-relieved poppet, Stroke limitation

Pressure-temperature table in bar

-10...+50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C
40	38,2	36,3	33,7	31,7	29,7	28,5	27,4

Intermediate values of the maximum operating pressures may be calculated by linear interpolation between the nearest lower and higher temperature values.

+43 512 52076
austria@stasto.eu
© STASTO Automation KG



Nominal size DN[mm]	PN [bar]	C	D	H	K	L	nxd	Kv value [m 3 /h]	Weight [approx. kg]	Type
15	40	125	95	235	65	130	4 x Ø14	4,8	4,4	GL116-15-W
20	40	125	105	235	75	150	4 x Ø14	7,6	5,3	GL116-20-W
25	40	125	115	245	85	160	4 x Ø14	12,2	6,7	GL116-25-W
32	40	125	140	245	100	180	4 x Ø18	17,5	8,8	GL116-32-W
40	40	150	150	275	110	200	4 x Ø18	27,8	11,0	GL116-40-W
50	40	150	165	275	125	230	4 x Ø18	44,3	13,5	GL116-50-W
65	40	200	185	375	145	290	8 x Ø18	81	26,5	GL116-65-W
80	40	200	200	375	160	310	8 x Ø18	115	31,0	GL116-80-W
100	40	250	235	410	190	350	8 x Ø22	184	46,0	GL116-100-W
125	30*	300	270	460	220	400	8 x Ø26	272	66,0	GL116-125-W
150	21*	350	300	520	250	480	8 x Ø26	383	98,5	GL116-150-W
200	14*	400	375	635	320	600	12 x Ø30	691	182	GL116-200-W
250	9*	500	450	785	385	730	12 x Ø33	1086	296,5	GL116-250-W

* for higher operating pressures use special version with pressure-relieved poppet cone

Kv value depending on the valve opening for Control cone [m³/h]

Nominal size DN [mm]	15	20	25	32	40	50	65	80	100	125	150	200	250
20%	0,34	0,87	1,35	2,29	3,87	8,57	9,27	16,7	21,9	37,3	53,1	74,9	328,6
40%	1,03	1,84	2,92	4,71	7,53	14,8	18,7	32,1	42	63,3	113,4	148,7	576,2
60%	2,26	3,66	5,17	8,63	14	23,1	35,6	57,4	77,6	107,1	197,6	268,3	722,8
80%	3,4	5,69	7,95	13	20,6	32	56	83,6	121,7	160,2	262,1	392,1	807
100%	4,36	7,04	9,59	16	25,5	38	66,7	95,4	143,5	189,3	297,4	463,8	925,6

Illustrations non-binding
Design, dimensional and material changes reserved