

Shut-off valve with metal bellows Series GL122



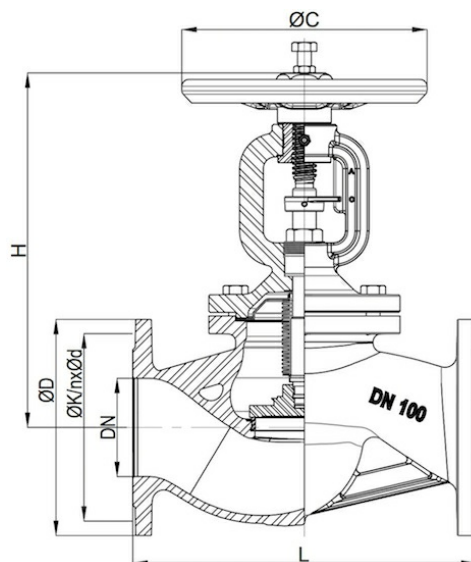
Design type	Shut-off valve, straight-through design with back seal, Bellows and Stuffing box packing, metal-to-metal sealing, non-rising stem, external spindle thread, visual position indicator, Painted housing RAL5013, Coating 40µm
Actuation	via steel handwheel
Connection	Flanges DN15...DN200 according to EN1092-1 PN16
Overall length	corresponding DIN EN558-1R1
Materials	Housing Grey cast iron EN-JL1040, Bellows Stainless steel, Seat, Cone and Spindle Stainless steel 1.4021, Handwheel Steel, Package Graphite
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...+300°C
Operating pressure	Nominal pressure according to the pressure-temperature table
Mounting type	Installation in rigid piping system
Mounting position	any
Approvals	TA air test (ATEX on request)
Special versions	Control cone, Cone with soft seal, pressure-relieved poppet, Stroke limitation

Pressure-temperature table in bar

-10...+120°C	150°C	200°C	250°C	300°C
16	14,4	12,8	11,2	9,6

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





Nominal size DN[mm]	Pressure range [bar]	C	D	H	K	L	nx d	Kv value [m ³ /h]	Weight [approx. kg]	Type
15	0-16	125	95	226	65	130	4 x Ø14	4,6	3,8	GL122-15-W
20	0-16	125	105	226	75	150	4 x Ø14	7,3	4,5	GL122-20-W
25	0-16	125	115	232	85	160	4 x Ø14	11,7	5,2	GL122-25-W
32	0-16	125	140	233	100	180	4 x Ø18	16,8	6,8	GL122-32-W
40	0-16	150	150	270	110	200	4 x Ø18	26,7	10,1	GL122-40-W
50	0-16	150	165	273	125	230	4 x Ø18	42,6	12,2	GL122-50-W
65	0-16	200	185	356	145	290	8 x Ø18	77,9	20,5	GL122-65-W
80	0-16	200	200	360	160	310	8 x Ø18	111	23,5	GL122-80-W
100	0-16	250	220	405	180	350	8 x Ø18	177	34,5	GL122-100-W
125	0-16	300	250	450	210	400	8 x Ø18	262	46	GL122-125-W
150	0-16	350	285	510	240	480	8 x Ø22	368	66,5	GL122-150-W
200	0-14*	400	340	680	295	600	12 x Ø22	664	117,5	GL122-200-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
20%	0,33	0,84	1,3	2,2	3,72	8,26	8,91	16,1	21,1	35,9	51,1	72
40%	0,99	1,77	2,81	4,53	7,24	14,2	18	30,9	40,4	60,9	109	143
60%	2,17	3,52	4,91	8,3	13,5	22,2	34,2	55,2	74,6	103	190	258
80%	3,27	5,47	7,64	12,5	19,8	30,8	53,8	80,4	117	154	252	377
100%	4,19	6,77	9,22	15,4	24,5	36,5	64,1	91,7	138	182	286	446

Illustrations non-binding
Design, dimensional and material changes reserved

Armatures / Valves, butterfly valves and gate valves - manually operated / Other materials - A04 / Globe valve Series GL122

