

Shut-off valve cast steel Series GL120



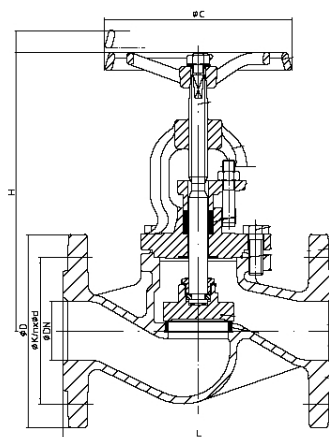
Design type	Shut-off valve in in-line design with back seal and Stuffing box packing, metallic sealing, rising stem, external spindle thread
Connection	Flanges DN15...DN200 acc. to EN1092-1 PN40
Materials	Housing GP240GH+N, Seat Stainless steel 1.4370, Cone and Spindle Stainless steel 1.4021, Handwheel Steel, Package Graphite
Mounting type	Installation in rigid piping system
Mounting position	any
Application range	Fluids and gases of group 1 and 2 according to PED 2014/68/EU that do not attack the materials used.
Medium temperature	-10...+400°C
Operating pressure	Nominal pressure according to pressure-temperature table
Actuation	by handwheel made of steel
Overall length	corresponding DIN EN558-1R1
Approvals	ATEX on request
Special versions	Control cone, Cone with soft seal, pressure-relieved poppet

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	35,2	33,3	30,5	27,6	25,7	23,8

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]	PN [bar]	C	D	H**	K	L	nxd	Kv value [m³/h]	Weight [approx. kg]	Type
15	40	125	95	234	65	130	4 x Ø14	4,8	4,5	GL120-15-W
20	40	125	105	239	75	150	4 x Ø14	7,6	5,0	GL120-20-W
25	40	125	115	247	85	160	4 x Ø14	12,2	6,5	GL120-25-W
32	40	125	140	257	100	180	4 x Ø18	17,5	9,0	GL120-32-W
40	40	150	150	288	110	200	4 x Ø18	27,8	12,5	GL120-40-W
50	40	150	165	301	125	230	4 x Ø18	44,3	15,0	GL120-50-W
65	40	200	185	392	145	290	8 x Ø18	81	25,5	GL120-65-W
80	40	200	200	400	160	310	8 x Ø18	115	30,0	GL120-80-W
100	40	250	235	439	190	350	8 x Ø22	184	43,0	GL120-100-W
125	30*	300	270	494	220	400	8 x Ø26	272	68,0	GL120-125-W
150	21*	350	300	559	250	480	8 x Ø26	383	95,0	GL120-150-W
200	14*	400	375	686	320	600	12 x Ø30	691	180	GL120-200-W

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

** Height in open position

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%	0,34	0,87	1,35	2,29	3,87	8,57	9,27	16,7	21,9	37,3	53,1	74,9
40%	1,03	1,84	2,92	4,71	7,53	14,8	18,7	32,1	42	63,3	113,4	148,7
60%	2,26	3,66	5,17	8,63	14	23,1	35,6	57,4	77,6	107,1	197,6	268,3
80%	3,4	5,69	7,95	13	20,6	32	56	83,6	121,7	160,2	262,1	392,1
100%	4,36	7,04	9,59	16	25,5	38	66,7	95,4	143,5	189,3	297,4	463,8

Illustrations non-binding

Design, dimensional and material changes reserved

Armatures / Valves, butterfly valves and gate valves - manually operated / Globe and gate valves / Globe valve Series GL120

Version 5

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Open series online

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