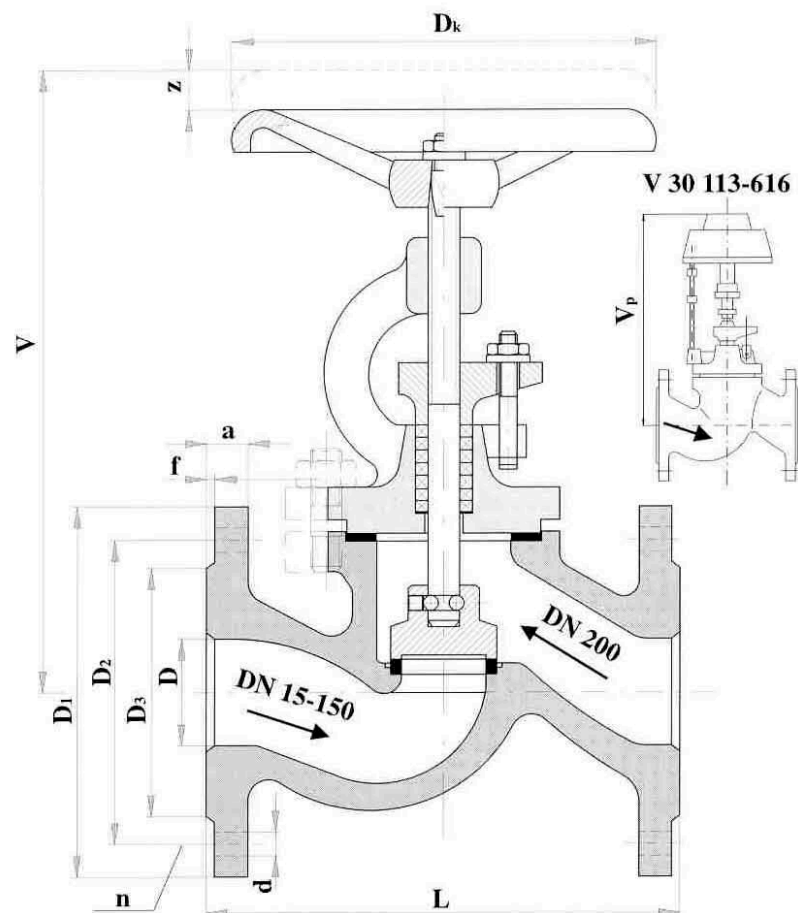


Globe valve

V 30 111(3)-616

PN 16



Application

Shut-off valve for water, steam, on special request also for non-aggressive liquids and gases for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
120	1,60
150	1,44
180	1,34
200	1,28
250	1,12
300	0,96

The valve is not suitable for valve regulation.

Technical description

Manually operated valve is yoke-type, electrically actuated valve is bonnet type. Closing disc fits into a rolled seat in the body. Stem is sealed with gland packing in the bonnet. In DN 15-150 valves the flow direction is from under the disc. For DN 200 valves, the flow direction is from above the disc and internal bypass reduces pressure difference before and after the closing element (pressure drop).

Connecting and face-to-face dimensions

Face-to-face dimensions as per DIN 3202 F1. Flange connecting dimensions as per DIN 2501.

Flange faces as per DIN 2526, Form C.

Basic connecting and face-to-face dimensions are given in the table.

Material

Body, bonnet	grey cast iron (GG-20)
Stem	stainless steel (13Cr)
Disc up to DN 100	stainless steel (13Cr)
Disc for DN 125 and above	carbon steel with weld overlay (13Cr)
Gland packing	asbestos-free fibre

Testing

The valve is tested as per DIN 3230.

Installation

The valve can be installed in horizontal or vertical Piping depending on the flow direction. Electrically actuated valves should be installed in horizontal piping with the actuator upwards above the valve. In other positions the actuator must be supported or attached to a hinge.

Operation

The valve is operated by handwheel (ON 13 3110), chainwheel (ON 13 3130) or from a stand (ON 13 3140 and ON 13 3142). DN 15 to DN 80 valves can be operated by a direct-acting electric actuator. Type of electric actuator and maximum pressure drop is selected by the supplier.

DN	D	L	V	z	Vp	D ₁	D ₂	D ₃	a	f	n	d	D _k	handwheel ^{kg}	actuator ^{kg}
15	15	130	210	16	500	95	65	47	14	2	4	14	125	4	12
25	25	160	210	16	500	115	85	68	16	2	4	14	125	5	13
40	40	200	245	16	520	150	110	88	18	3	4	18	160	10	20
50	50	230	255	18	520	165	125	102	20	3	4	18	160	12	22
65	70	290	310	24	545	185	145	122	20	3	4	18	200	20	30
80	80	310	325	30	550	200	160	133	22	3	8	18	200	24	34
100	100	350	385	38	-	220	180	158	24	3	8	18	250	41	-
125	125	400	435	45	-	250	210	184	26	3	8	18	250	54	-
150	150	480	475	50	-	285	240	212	26	3	8	22	320	86	-
200	200	600	620	76	-	340	295	268	30	3	12	22	400	167	-