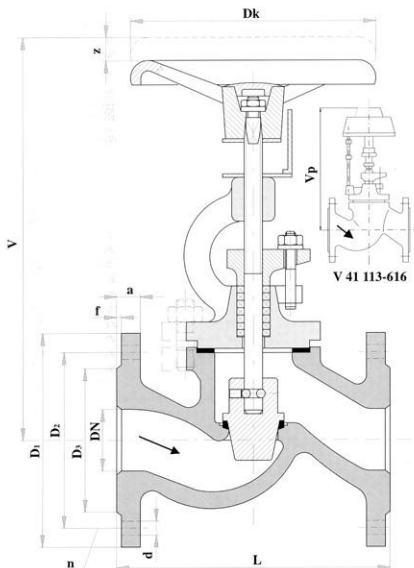


Globe valve with regulating disc

V 41 111(3)-616

PN 16



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.

Application

Valve with regulating disc (for approximate regulation) for water, non-aggressive liquids, steam, oil 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

Technical description

Manually operated valve is yoke type. Electrically operated valve is bonnet type. Closing disc fits into a rolled seat in the body. Stem is sealed with gland packing in the bonnet. Flow direction in the valve is from under the disc.

Connecting and face-to-face dimensions

Face-to-face dimensions as per ČSN EN 558, DIN 3202 F1.

Flange connecting dimensions as per ČSN 13 1060 and ČSN 13 1061, DIN2501.

Flange faces as per DIN2526, Form C.

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

Material

Body, bonnet, gland flange grey cast iron (GG-20)

Stem stainless steel (13Cr)

Disc stainless steel (13Cr)

Gland packing asbestos-free fibre

Testing

The valve is tested as per ČSN 13 3060, part 2, 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.

DN	L	V	z	Vp	D ₁	D ₂	D ₃	a	f	n	d	Dk	Kv	handwheel	actuator
15	130	215	12	420	95	65	47	14	2	4	14	125	4,08	4	11
25	160	215	14	420	115	85	68	16	2	4	14	125	6,3	6	12
40	200	280	20	440	150	110	88	18	3	4	18	160	10,8/17,4	10	17
50	230	290	25	440	165	125	102	20	3	4	18	160	24	13	19
65	290	345	30	465	185	145	122	20	3	4	18	200	57	20	27
80	310	355	32	470	200	160	133	22	3	8	18	200	87	24	31
100	350	440	42	-	220	180	158	24	3	8	18	250	123	40	-
125	400	485	50	-	250	210	184	26	3	8	18	250	186	58	-
150	480	530	60	-	285	240	212	26	3	8	22	320	273	84	-