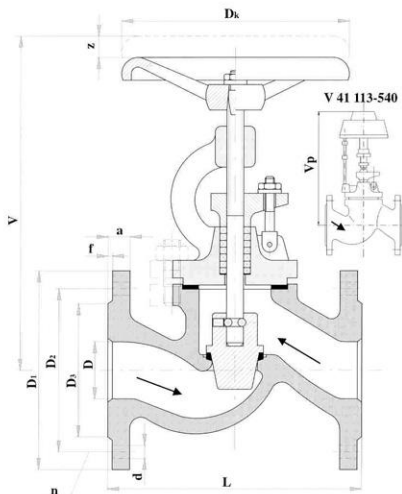


Globe valve with regulating disc

V 41 111(3)-540

PN 40



Application

Valve with regulating disc for water, non-aggressive liquids, steam, oil and gases for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
200	4,00
250	3,44
300	3,09
400	2,35

Technical description

Manually operated valve is yoke type. Electrically operated valve is bonnet type. Closing disc fits into welded sealing surface in the body. Stem is sealed with gland packing in the yoke. Flow direction in the valve is from under the disc. The valve regulates service medium flow in valve seat by a regulating disc. The disc is designed for linear flow characteristic. Kv number gives a value of service medium volume (water flow volume with density of 1000 kg/m³ in m³/h, at differential pressure on the valve of 0,1 MPa). Allowable permeability in the seat of these valves is 0,05% Kv.

Connecting and face-to-face dimensions

Face-to-face dimensions as per 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 carbon steel
 Stem stainless steel (13Cr)
 Disc to DN 100 stainless steel (13Cr)
 Disc from DN 125 carbon steel with overlay (13 Cr)
 Gland packing asbestos-free graphite

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.

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). Type of electric actuator and maximum pressure drop is selected by the supplier.

DN	Dk	L	z	V	Vp	D ₁	D ₂	D ₃	a	Kv	f	d	n	kg handwheel actuator
15	125	130	12	170	410	95	65	47	16	1,55	2	14	4	5 11
25	125	160	18	175	420	115	85	68	18	3,9/6,5	2	14	4	6 12
40	160	200	22	255	460	150	110	88	18	10,2/17,4	3	18	4	13 21
50	160	230	28	285	600	165	125	102	20	30	3	18	4	17 33
65	200	290	34	330	630	185	145	122	22	48	3	18	8	26 44
80	200	310	38	360	640	200	160	133	24	66	3	18	8	38 50
100	250	350	46	420	690	235	190	158	24	102	3	22	8	50 77
125	320	400	52	460	750	270	220	184	26	174	3	26	8	82 104
150	320	480	62	485	780	300	250	212	28	276	3	26	8	109 130