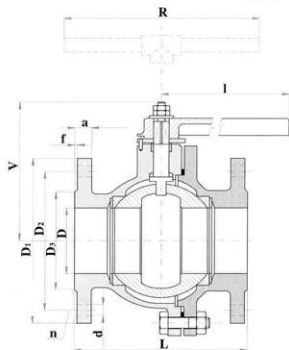
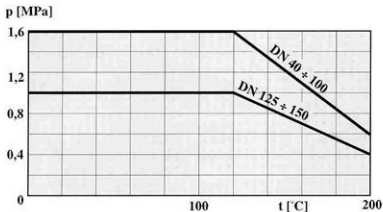
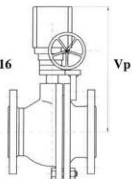


Flanged ball valve

K 85 111(3)-616 PN 16



K 85 113-616



Application

Shut-off valve for water, steam, air, oils, gases and other non-aggressive fluids. The graph shows maximum working overpressures and temperatures.

Allowable size of mechanical impurities is up to 30 μm , volume of impurities up to 20 g/m^3 . The valve is not suitable for flow regulation.

Technical description

The ball valve is a two-way valve, which closing element is a floating ball sealed by two seats. The valve has "OPEN - CLOSE" position stops. The flow is shut off by turning the lever or wing-handle through 90° to the right, and for DN 50 - 100 valves by handwheel via gear box.

Connecting and face-to-face dimensions

Flange connecting dimensions as per ČSN 13 1060 and ČSN 13 1061, DIN 2501.

Face-to-face dimensions as per ČSN EN 558. Basic face-to-face dimensions are given in the table below.

Material

Body, flange grey cast iron (42 2420, GG-20)
 Ball, trunnion stainless steel (13 Cr)
 Seat, sealing PTFE
 Trunnion sealing "O" ring (rubber)

Testing

The valve is tested as per ČSN 13 3060, part 2, DIN 3230.

Installation

The valve can be installed into vertical or horizontal piping.

Operation

The valve can be operated by a one-arm lever or by a two-arm lever (for DN 125 and 150 valves) or by a single-turn electric servomotor.

DN	Vp	V	L	D ₁	D ₂	D ₃	a	R	l	f	n	d	servomotor	manual motor	kg
40	315	150	170	150	110	88	18	-	250	3	4	18	MOK 63	11	20
50	320	155	180	165	125	102	20	-	250	3	4	18	MOK 63	14	23
65	400	180	200	185	145	122	20	-	250	3	4	18	MOK 125	21	36
80	410	195	210	200	160	133	22	-	315	3	8	18	MOK 125	25	40
100	460	200	230	220	180	158	24	-	400	3	8	18	MOK 250	34	59
125	490	245	325	250	210	184	26	500	-	3	8	18	MOK 250	52	77
150	520	260	350	285	240	212	26	650	-	3	8	22	MOK 500	72	105