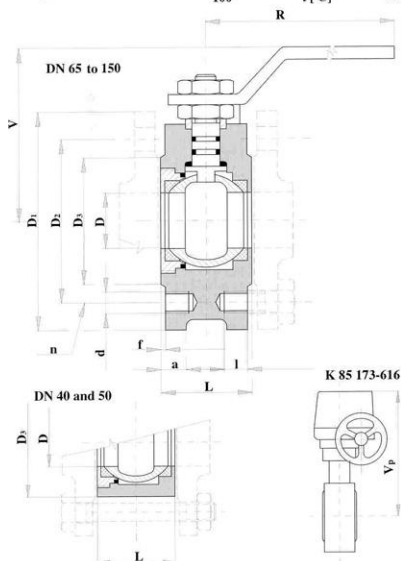
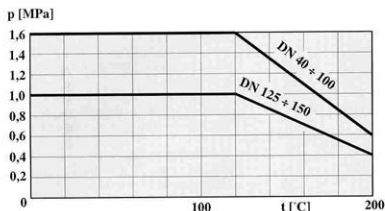


Flangeless ball valve

K 85 171(3)-616

PN 16



Application

Shut-off valve for water, steam, air, oils, gases and other non-aggressive fluids. The graph shows maximum working overpressures and temperatures. 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 through 90° to the right, or by electric actuator.

Connecting and end-to-end dimensions

Flange connecting dimensions as per ČSN 13 1060, DIN 2501 and ČSN 13 1061, DIN 2526.

Basic end-to-end dimensions are given in the table below.

Material

Body 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.

On customer's request the valve can be operated also by pneumatic actuator (single- or double-acting) with control pressure of 0,6 MPa.

DN	D	V	Vp	L	D ₁	D ₂	D ₃	a	f	n	d	l	R	servomotor	manual motor	kg
40	38	110	360	60	-	-	88	-	-	-	-	-	270	MOK 63	3	12
50	48	121	370	70	-	-	102	-	-	-	-	-	270	MOK 63	4	13
65	64	130	450	95	185	145	122	20	3	4	M 16	25	360	MOK 125	11	27
80	76	149	470	118	200	160	133	22	3	8	M 16	25	360	MOK 125	14	30
100	95	166	500	140	220	180	158	24	3	8	M 16	25	430	MOK 250	22	45
125	118	190	550	175	250	210	184	26	3	8	M 16	25	430	MOK 250	35	57
150	150	243	650	210	285	240	212	26	3	8	M 20	30	660	MOK 500	56	90