

**Application**

Shut-off valve for water, non-aggressive liquids, steam, oil and gases for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
200	5,00
250	5,00
300	4,81
400	4,25
500	3,11
550	1,37

The valve is not suitable for valve regulation.

**Technical description**

The yoke-type valve has a closing disc fits into sealing surface welded into its body. Stem is sealed with gland packing in the yoke. Flow direction in DN 15-100 valves is from under the disc, for DN 125-200 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 DIN2501.

Flange faces as per DIN2526, Form C.

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

**Material**

Body, yoke alloy steel (1.7357)  
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 graphite

**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 150 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 <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	a	f	n	d	D <sub>k</sub>	kg handwheel actuator	
15	15	130	170	12	470	95	65	47	16	2	4	14	125	3	12
20	20	150	195	13	480	105	75	58	18	2	4	14	125	3,5	13
25	25	160	200	18	485	115	85	68	18	2	4	14	125	4	14
32	32	180	235	18	520	140	100	78	18	2	4	18	160	6	18
40	40	200	275	19	540	150	110	88	18	3	4	18	200	7	20
50	50	230	275	21	540	165	125	102	20	3	4	18	200	9	23
65	70	290	345	26	750	185	145	122	22	3	8	18	250	16	50
80	80	310	355	34	760	200	160	133	24	3	8	18	250	20	56
100	100	350	415	38	800	235	190	158	24	3	8	22	320	33	75
125	125	400	490	54	880	270	220	184	26	3	8	26	320	47	104
150	150	480	545	61	910	300	250	212	28	3	8	26	320	71	133
200	200	600	680	75	-	375	320	285	34	3	12	30	400	143	-