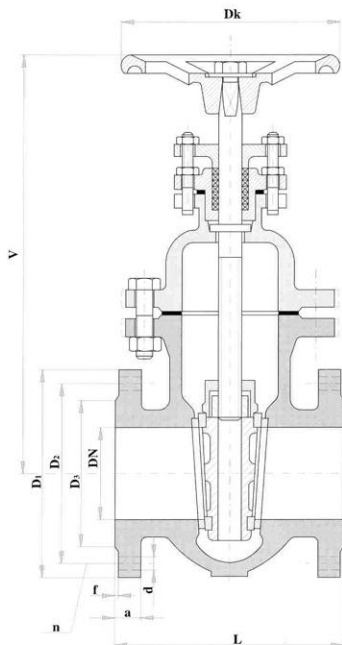


Bonnet gate valve

S 15 111-610

PN 10



Application

Shut-off valve for water and steam, on special request also for other non-aggressive liquids for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
120	1,00
150	0,90
180	0,84
200	0,80

The gate is not suitable for flow regulation

Technical description

The bonnet gate valve has a rotating non-rising stem with its thread inside the valve chamber. The body and wedge have brass or stainless steel sealing rings pressed into them. Stem is sealed with gland packing or O-ring in a bonnet.

Connecting and face-to-face dimensions

Face-to-face dimension per DIN 3202 F4, F5. Flange connection dimensions as per DIN 2501. Flange faces as per DIN 2526, Form C. Basic face-to-face and connecting dimensions are shown in the table.

Material

Body, bonnet, wedge grey cast iron (GG 25)
 Stem stainless steel (13 Cr)
 Body sealing surfaces brass, 13 Cr
 Wedge sealing surfaces brass, 13 Cr
 Gland packing O-ring (up to 120°C)
 asbestos-free fibre (up to 200°C)

Testing

The gate valve is tested per DIN 3230.

Installation

The gate valve can be installed in horizontal or vertical piping.

Operation

The gate valve can be operated by handwheel (ON 13 3110), chainwheel (ON 13 3130) or from a stand (ON 13 3140 and ON 31 3142).

DN	D ₁	D ₂	D ₃	F4	L	F5	F4	V	F5	F4	Dk	F5	a	f	n	d	F4	kg	F5	
40	150	110	88	140	240	240	240	275	160	200	18	3	4	18	11	18	11	18	11	18
50	165	125	102	150	250	255	290	160	200	200	20	3	4	18	12	22	18	12	22	22
65	185	145	122	170	270	275	340	160	250	20	3	4	18	17	29	18	17	29	29	29
80	200	160	133	180	280	300	370	160	250	22	3	8	18	18	37	18	18	37	37	37
100	220	180	158	190	300	345	410	200	320	24	3	8	18	25	52	18	25	52	52	52
125	250	210	184	200	325	405	465	250	320	26	3	8	18	35	68	18	35	68	68	68
150	285	240	212	210	350	445	510	250	320	26	3	8	22	46	78	22	46	78	78	78
200	340	295	268	230	400	540	620	250	420	30	3	12	22	75	137	22	75	137	137	137
250	395	350	320	250	450	635	700	320	500	32	3	12	26	110	204	26	110	204	204	204
300	445	400	370	270	500	735	760	320	500	32	4	12	26	155	282	26	155	282	282	282