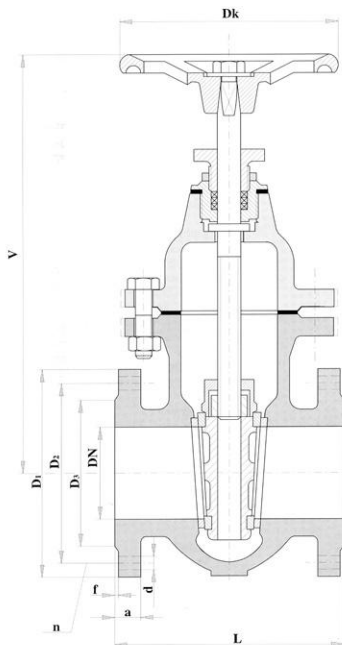


Bonnet gate valve

S 13 111-606

PN 6



Note
Mk - maximum torque [Nm]

DN	D ₁	D ₂	D ₃	L	V	Dk	Mk	a	f	n	d	kg
40	130	100	80	140	240	160	30	16	3	4	14	9,5
50	140	110	90	150	255	160	30	16	3	4	14	10
65	160	130	110	170	275	160	40	16	3	4	14	14
80	190	150	128	180	300	160	40	18	3	4	18	17
100	210	170	148	190	345	200	63	18	3	4	18	24
125	240	200	178	200	405	250	80	20	3	8	18	34
150	265	225	202	210	445	250	80	20	3	8	18	45
200	320	280	258	230	540	250	120	22	3	8	18	72
250	375	335	312	250	635	320	160	24	3	12	18	107
300	440	395	365	270	735	320	200	24	4	12	22	155

Application

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

Temperature [°C]	Pressure [MPa]
120	0,60
150	0,54
180	0,50
200	0,48

Gate valves with O-ring stem sealing only to 120°C.

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 in a bonnet.

Connecting and face-to-face dimensions

Face-to-face dimension per DIN 3202 F4. Flange connection dimensions as per DIN 2501. Flange faces as per DIN 2526, Form C.

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).