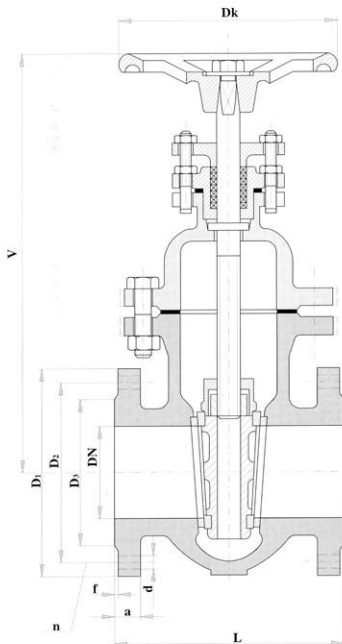


# Bonnet gate valve

S 15 111-616

PN 16



## Application

Shut-off valve for water, steam, gases, non-aggressive liquids.  
Stem can be sealed with O-ring - for use up to 120 °C only! Gate valves DN 200 to DN 300 are provided with a bypass.

Temperature [°C]	Pressure [MPa]
120	1,60
150	1,44
180	1,34
200	1,28

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 in a bonnet.

## Connecting and face-to-face dimensions

Face-to-face dimension per DIN 3202 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)  
Sealing surfaces brass  
Gland packing asbestos-free fibre

## 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 c (ON 13 3110), chainwheel (ON 13 3130) or from a stand (ON 13 3140 and ON 31 3142).

## Note

Mk - maximum torque [Nm]

DN	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	L	V	Mk	Dk	a	f	n	d	kg
40	150	110	88	240	275	54	200	18	3	4	18	18
50	165	125	102	250	290	54	200	20	3	4	18	22
65	185	145	122	270	340	90	250	20	3	4	18	29
80	200	160	133	280	370	100	250	22	3	8	18	37
100	220	180	158	300	410	130	320	24	3	8	18	52
125	250	210	184	325	465	130	320	26	3	8	18	68
150	285	240	212	350	510	150	320	26	3	8	22	78
200	340	295	268	400	620	200	400	30	3	12	22	137
250	405	355	320	450	700	230	500	32	3	12	26	204
300	460	410	378	500	760	270	500	32	4	12	26	282