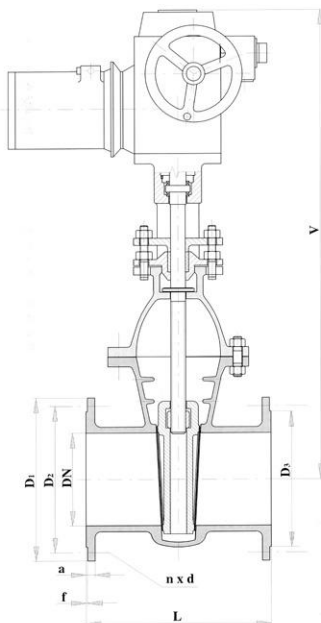


Bonnet gate valve with electric actuator

S 25 113-610

PN 10



Application

Shut-off valve for water, steam, air, oils and other non-aggressive liquids and gases. Gate valve is not suitable for flow regulation. For service pressures and temperatures:

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

Technical description

Bonnet gate valve with a rotary non-rising stem with its thread inside valve chamber. The body and wedge have brass sealing rings. Stem is sealed with gland packing in a bonnet.

Connecting and face-to-face dimensions

Face-to-face dimension per ČSN EN 558, DIN 3202 F4 (see tables). 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. For electrically actuated valves, the axis of electric motor must remain horizontal. If this is not the case, amount of oil fill must be increased. If the valve is installed horizontally, the actuator must be supported.

Operation

The gate valve can be operated manually or by electric servomotor.

In the table below, dimensions for DN 50 to 200 are according to DIN, dimensions for DN 250 to 300 are according to ČSN.

DN	D ₁	D ₂	D ₃	L	V	a	n	f	d	servomotor Mo	kg
50	165	125	102	150	585	20	4	3	18	8/10-25	50
65	185	145	122	170	610	20	4	3	18	8/10-25	55
80	200	160	133	180	635	22	8	3	18	8/10-25	57
100	220	180	158	190	715	24	8	3	18	16/21-25	95
125	250	210	184	200	785	26	8	3	18	16/21-25	130
150	285	240	212	210	820	26	8	3	22	16/21-40	137
200	340	295	268	230	920	26	8	3	22	25/32-40	189
250	395	350	320	450	1020	26	12	3	22	25/32-40	266
300	445	400	370	500	1090	28	12	4	22	25/32-40	315