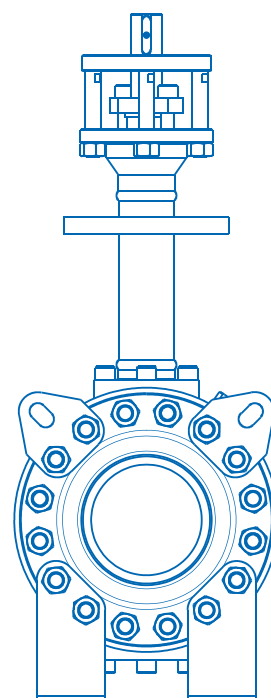
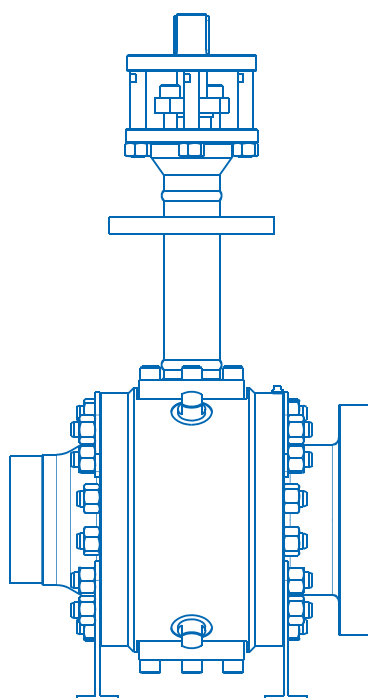


K 88

Cryogenic ball valves



BASIC TECHNICAL DATA:

liquefied gas media
flanged or welded connection
range of working temperatures from
-50 °C to -196 °C
CLASS 150 – 900, NPS 2" – 30"

OPERATION:

hand wheel with gear box
electrical actuator
pneumatic actuator

DESCRIPTION:

Ball valve is used for full opening or closing of working medium flow. Cryogenic ball valve body is made from three forgings joined mutually with bolts. The ball valves meet standard requirements for automatic pressure release from body cavity and they are equipped with an anti-blow stem and antistatic device. It has an extension piece that is designed as a pressure vessel with high ability to carry heat away, the extension piece has got a collar welded on its upper part. Inner extension piece of stem is supported on sliding and guiding cases, its sealing is performed in upper part of controlling pin.

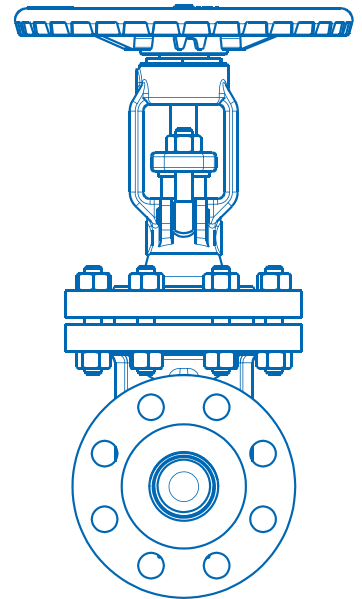
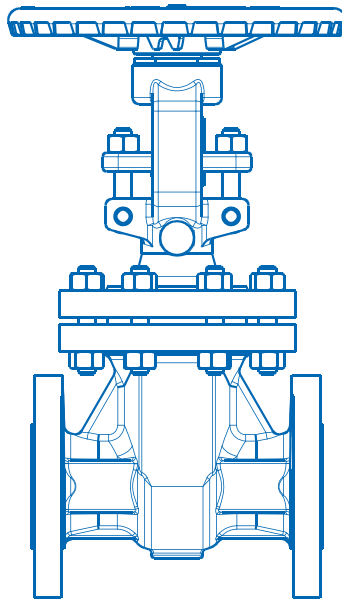
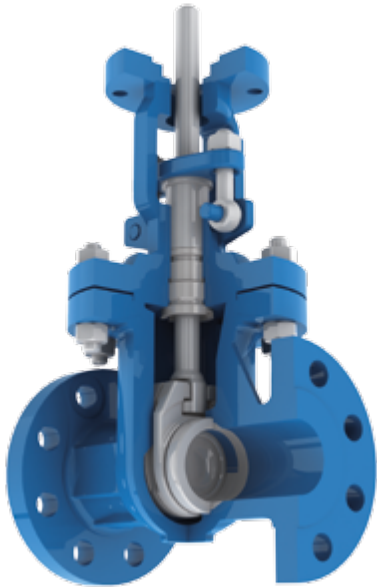
PRODUCTION RANGE:

CLASS PN		150 16, 25		300 40, 50		400 63		600 100		900 160	
NPS	DN	BW	FL	BW	FL	BW	FL	BW	FL	BW	FL
2	50										
3	80										
4	100										
6	150										
8	200										
10	250										
12	300										
14	350										
16	400										
18	450										
20	500										
22	550										
24	600										
26	650										
28	700										
30	750										

 – butt welded ends  – flanged ends

C 09.2

Gate valves



BASIC TECHNICAL DATA:

water, saturated steam, air, oil, crude
petroleum and petroleum products,
nonaggressive fluids
flanged or welded connection
range of working temperatures from
-60 °C to +650 °C
CLASS 150 – 1500, NPS 2" – 56"

OPERATION:

hand wheel
hand wheel with gear box
electrical actuator

DESCRIPTION:

Gate valve is a yoke type with butt-weld or flanged ends, with unreduced flow and flexible wedge. Body, bonnet and yoke are cast; a wedge can be forged or cast. Seats are welded in gate valve body and hard alloy overlays are applied on seat sealing surface. Gate valve is equipped with a rising non-turning stem and bolted body-bonnet joint.

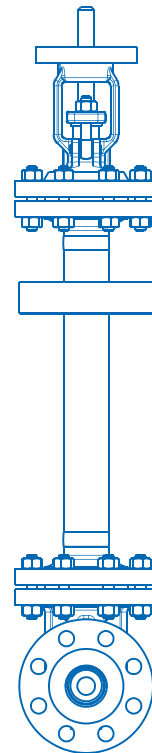
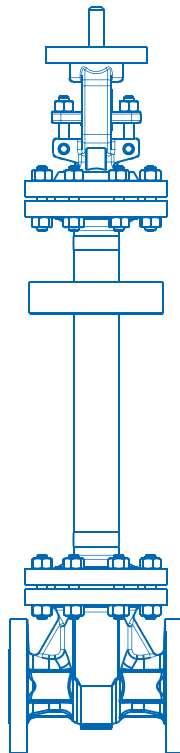
PRODUCTION RANGE:

CLASS	150		300		600		900		1500	
NPS	BW	FL	BW	FL	BW	FL	BW	FL	BW	FL
2										
2,5										
3										
4										
6										
8										
10										
12										
14										
16										
18										
20										
24										
28										
30										
32										
36										
40										
42										
48										
54										
56										

– butt welded ends
 – flanged ends

C 09.2

Cryogenic gate valves



BASIC TECHNICAL DATA:

liquefied gas and LNG
flanged or welded connection
range of working temperatures from
-196 °C to +538 °C
CLASS 150 – 1500, NPS 2" – 12"

OPERATION:

hand wheel
hand wheel with gearing
electrical actuator

DESCRIPTION:

Gate valve is one-way, yoke type with extension pieces with butt-weld or flanged ends, with unreduced flow. A body, yoke and bonnet are cast, an extension piece is welded, and a wedge can be forged or cast. Seats are welded in gate valve body and may be supplied with overlay. Gate valve is equipped with a non-turning stem and bolted body-bonnet joint.

PRODUCTION RANGE:

CLASS	150		300		600		900		1500	
NPS	BW	FL	BW	FL	BW	FL	BW	FL	BW	FL
2										
2,5										
3										
4										
6										
8										
10										
12										



– butt welded ends



– flanged ends