

# JIS 10K

# IRON GATE VALVE

Bolted bonnet, outside screw & yoke, rising stem.

120°C Non-shock water 1.37 MPa, 120°C Water, oil, air 0.98 MPa  
 120°C Gas 0.20 MPa, Saturated steam 0.69 MPa (Refer to Page 2 for size 14" to 24")

Designed to JIS B2031

**Fig. 10FCL**

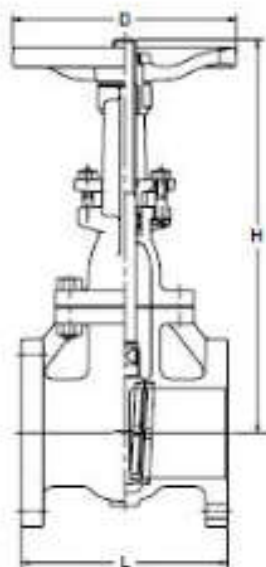
- Bronze trim

**Fig. 10FCLS**

- Stainless steel trim (13 Cr.)

**Fig. 10FCLU**

- Stainless steel trim (18-8)



SIZE 10 & LARGER

## Materials

Parts	Material	JIS Spec.		
		10FCL	10FCLS	10FCLU
<b>Body</b>	Cast Iron	FC200		
<b>Bonnet</b>	Cast Iron	FC200		
<b>Stem</b>	Brass/Stainless Steel	C3771BD	SUS403	SUS304
<b>Disc</b>	Cast Iron	FC200		
<b>Disc seat ring</b>	Brass/Stainless Steel	CAC406	SUS403	SUS304
<b>Body seat ring</b>	Bronze	CAC406	SUS403	SUS304
<b>Gland</b>	1 1/2 to 14	Ductile Iron		
	16 to 24	Stainless Steel		
<b>Gland packing</b>	Asbestos-free			
<b>Gasket</b>	Asbestos-free			
<b>Gland bolt/nut</b>	Carbon Steel	SS400		
<b>Bonnet bolt/nut</b>	Carbon Steel	SS400		
<b>Yoke sleeve</b>	Bronze	CAC406		
<b>Hand wheel</b>	1 1/2 to 8	Cast Iron		
	10 to 24	Ductile Iron		

## Design Specifications

Items	
<b>Shell wall thickness and general valve design*</b>	JIS B2031
<b>Face-to-face dimensions End-to-end dimensions</b>	JIS B2031
<b>End flange dimensions Gasket contact facing</b>	JIS B2239 10K

\*Nominal size 1 1/4, 14 and larger shall not be in accordance with JIS B2031

## Dimensions

Valve Size	inch mm	1 1/2*	2	2 1/2	3	4	5	6	8	10	12	14*	16*	18*	20*	24*
<b>L</b> Face-to-face		165	180	190	200	230	250	270	290	330	350	381	406	432	457	508
<b>H</b> Height (OPEN)		306	343	389	462	547	648	759	956	1168	1363	1560	1795	1995	2230	2640
<b>D</b> Handwheel Diameter		160	170	170	200	250	280	300	350	400	450	500	600	600	680	760

\*JIS Mark is not applicable