CS-9 Cast Steel Gate Valve Class 150, Flanged Ends

Description



NETA Cast Steel (ASTM A216 Gr. WCB) Gate Valve
– Straight Pattern
– BS:5160/ DIN 2401 PN 40
– Outside Screw and Yoke Type
– Bolted Bonnet
– Solid / Flexible Wedge
– 13% Cr. Stainless Steel (ASTM A182 Gr.F6a / AISI – 410) Trim
– Flanged Ends to ANSI – B 16.5 Class – 150
– Raised Face
– Drilled / Undrilled

Test Pressure

Body : 30 Bar Gauge Hyd.
Seat : 22 Bar Gauge Hyd., 6.9 Bar Air
Back Seat : 22 Bar Gauge Hyd.

Design Features

- Bolted Body – Bonnet Joint
- Stem threads are outside the pressure containing parts & never come in contact with the working fluid thus avoiding corrosion of threads.
- Back seating arrangement permits the replacement of gland packing in fully open position while the Valve is under inline pressure.
- Straight through flow resulting in least possible pressure drop across the Valve.
- Sturdy spoked handwheel clear from the top of the yoke is provided for operation of the Valve.
- Ample depth of Stuffing Box.
- Wedged guided in the body throughout its travel & contacts the body seats only at the point of closure.

Certification

IBR Test Certificate in FORM III-C duly signed by the Director of Boilers, Punjab is provided for Valves to be used on steam service.
For services other than steam our own Works Test Certificate shall be issued.

Application : Steam, Water, Oil

HSN : 84818010

Materials

PNo.	Part	Nos.	Material	Standard
1	Handwheel Nut	1	Al. Bronze	BS:1400 AB1
2	Handwheel	1	C.I.	IS:210 Gr.FG200
3	Yoke Sleeve Locking Nut	1	Al. Bronze / S.S. 13% Cr.	BS:1400 AB1 / ASTM A182 Gr.F6a / AISI – 410
4	Yoke Sleeve	1	Al. Bronze	BS:1400 AB1
5	Gland Flange	1	Carbon Steel / Cast Steel	IS:226 / ASTMA 216 Gr.WCB
6	Gland	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
7	Studs and Nuts	To Suit	Alloy Steel and H.T.Steel	ASTM A193 Gr.B7 and ASTM A194 Gr.2H
8	Gasket	1	C.A.F.	BS:1832 / IS:2712
9	Body	1	Cast Steel	ASTM A216 Gr.WCB
10	Wedge	1	Cast Steel	ASTM A216 Gr.WCB
11	Body Seat Ring	2	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
12	Wedge Facing Ring	2	S.S. 13% Cr.	Weld Deposit
13	Stem	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
14	Eye Bolts and Nuts	2 Each	S.S. 13% Cr. / Carbon Steel	ASTM A182 Gr.F6a / AISI – 410 / IS:226 Min UTS 392N/mm²
15	Pin	2	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410

PNo.	Part	Nos.	Material	Standard
16	Gland Packing	–	Graphited Asbestos	–
17	Back Seat Bush	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
18	Bonnet	1	Cast Steel	ASTM A216 Gr.WCB

Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L ±1.5	H App.	W App.
1.1/2	40	165	273	190
2	50	178	363	195
2.1/2	65	190	380	195
3	80	203	410	200
4	100	229	504	250
5	125	254	535	305
6	150	267	670	356
8	200	292	856	406

