

C-20 Cast Iron Pilot Operated Pressure Reducing Valve

Description

- NETA Cast Iron Pilot Operated Pressure Reducing Valve
- With Phos. Bronze / Stainless Steel (AISI-304 / AISI-316) Diaphragm
- Lumina Body Seat Ring
- Stainless Steel (ASTM A182 Gr.F6a / AISI - 410) Working Parts
- Flanged BS-10 Table 'F' Ends

Test Pressure

Max. Upstream Pressure : 13 Bar

Max. Working Temperature : 220°C

Test Pressure : 26 Bar Hyd.

Outlet Pressure Range : 5 to 45 PSIG, 40 to 100 PSIG, 90 to 150 PSIG

Design Features

- Pilot Operated.
- Self acting - No external power source.
- Have an inbuilt strainer for extra protection of working parts.
- Accurate regulation with wide variation of flow and up stream pressure.
- High discharge capacity.
- Easy adjustment of pressure setting.
- External pressure pipe connections provided for use where precise control is needed.



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 air service our own Works Test Certificate shall be issued.

Application : Steam, Air

HSN : 84818010

Materials

PNo.	Part	Nos.	Material	Standard
1	Spring Adjusting Screw	1	M.S.	IS:226
2	Check Nut	1	M.S.	IS:1367
3	Spring Housing	1	C.I.	IBR 86 to 93 Gr.A
4	Spring Top Disc	1	M.S. / S.S. 13% Cr.	IS:226 / ASTM A182 Gr.F6a / AISI - 410
5	Pressure Adjusting Spring	1	Carbon Steel / S.S.	IBR 307 / AISI - 304
6	Spring Bottom Disc	1	M.S. / S.S. 13% Cr.	IS:226 / ASTM A182 Gr.F6a / AISI - 410
7	Gasket	1	C.A.F.	IS:2712
8	Side Plug	1	M.S. / S.S. 13% Cr	ASTM A182 Gr.F6a / AISI - 410
9	Pilot Valve Body	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
10	Main Valve Return Spring	1	Carbon Steel / S.S. 18/8% Cr.Ni	IBR 307 / AISI - 304
11	Pilot Valve Spring Retaining Check Nut	1	Bronze / S.S. 13% Cr.	IBR 282[a][iv] Gr.B / ASTM A182 Gr.F6a / AISI - 410
12	Strainer Screen	1	S.S. 18/8% Cr./Ni	AISI - 304
13	Main Valve Body Seat Ring	1	S.S. 13% Cr. / Lumina	ASTM A182 Gr.F6a / AISI - 410 / Ni.Cu.Alloy
14	Gasket	1	C.A.F.	IS:2712
15	Main Diaphragm Chamber Top Half	1	C.I.	IBR 86 to 93 Gr.A
16	Gasket	1	C.A.F.	IS:2712
17	Pilot Valve Plunger	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
18	Ball	1	S.S. 18/8% Cr./Ni	AISI - 304
19	Main Valve Disc	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
20	Pilot Valve Spring	1	S.S. 18/8% Cr./Ni	AISI - 304
21	Main Valve Body	1	C.I.	IBR 86 to 93 Gr.A

PNo.	Part	Nos.	Material	Standard
22	Main Valve Push Rod	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
23	Push Rod Guide Sleeve	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
24	Push Rod Lock Nut	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
25	Main Diaphragm Disc	1	Bronze / S.S. 13% Cr.	IBR 282[a][iv] Gr.B / ASTM A182 Gr.F6a / AISI - 410
26	Main Diaphragm Chamber Lower Half	1	C.I.	IBR 86 to 93 Gr.A
27	Studs and Nuts	To Suit	M.S.	IS:1367
28	Blanking Plug	1	M.S. / S.S. 13% Cr.	IS:226 / ASTM A182 Gr.F6a / AISI - 410
29	Pipe Assembly	-	Copper / S.S.	AISI - 304
30	T-Connection	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
31	Union Nut	8	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
32	Studs and Nuts	To Suit	M.S.	IS:1367
33	Studs and Nuts	To Suit	M.S.	IS:1367
34	Pilot Diaphragm	1	Ph. Bronze / S.S.	BS:4072 / AISI - 304 / AISI - 316
35	Main Diaphragm	1	Ph. Bronze / S.S.	BS:4072 / AISI - 304 / AISI - 316

Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L ± 1.5	H App.
1	25	165	208
1.1/2	40	201	260
2	50	218	260

