18(a) Bronze Spring Loaded Pressure Reducing Valve Metallic Diaphragm Type

Description

- NETA Bronze Spring Loaded Metallic Diaphragm Type Pressure Reducing Valve
- S.S. Diaphragm
- Screwed Female Ends
- BSP Parallel Threads



Test Pressure

Max. Inlet Pressure : 250 PSIG
Max. Working Temperature : 220°C
Test Pressure : 500 PSIG Hyd.
Outlet Pressure Range : 5 to 60 PSIG, 20 to 80 PSIG, 40 to 125 PSIG

Design Features

- The Valve is Direct Acting Pressure Reducing Valve & is suitable for controlling small quantities of Steam, Water, Oil & Gas.
- It has few parts & simple in construction.
- It is self acting & needs no external power source.
- The pressure adjusting spring on the top of diaphragm is designed for three ranges of 5/60, 20/80 and 40/125 PSIG reduced pressure and Valve is fitted with a spring suitable for reduced pressure range desired.

Certification

IBR Test Certificate in FORM III-C duly signed by the Director of Boilers, Punjab is provided.

Application : Steam

HSN : 84818020

Materials

PNo.	Part	Nos.	Material	Standard
1	Spring Adjusting Screw	1	M.S.	IS:226
2	Check Nut	1	M.S.	IS:1367
3	Upper Spring Disc	1	M.S.	IS:226
4	Spring	1	Carbon Steel	IBR 307 (a)
5	Spring Chamber	1	C.I.	IBR 86 To 93 Gr.A
6	Studs and Nuts (For Body and Bonnet)	To Suit	M.S.	IS:1367
7	Lower Spring Disc	1	Bronze	IBR 282[a][iv] Gr.B
8	Gasket	2	C.A.F.	IS:2712
9	Valve Disc Stem Seat	1	Bronze	IBR 282[a][iv] Gr.B
10	Valve Disc	1	Bronze	IBR 282[a][iv] Gr.B
11	Body	1	Bronze	IBR 282[a][iv] Gr.B
12	Valve Disc Spring	1	Carbon Steel	IBR 307 (a)
13	Gasket	1	C.A.F.	IS:2712
14	Bottom Cover	1	Bronze	IBR 282[a][iv] Gr.B
15	Drain Plug	1	Bronze	IBR 282[a][iv] Gr.B
16	Tommy Bar	1	M.S.	IS:226
17	Diaphragm Nut	1	M.S.	IS:226
18	Diaphragm	1	S.S 18/8% Cr./Ni	AISI – 304
19	Bonnet	1	C.I.	IBR 86 To 93 Gr.A

Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L ±1.5	H Max.	W App.	T
1/2	15	76	259	152	1/2
3/4	20	108	324	165	3/4
1	25	114	378	168	1
1.1/4	32	133	381	184	1.1/4
1.1/2	40	138	392	184	1.1/2
2	50	171	457	200	2

