FS-3 Forged Steel Horizontal Lift Check Valve Standard Bore

Description

- NETA Forged Steel Class-800 Horizontal Lift Check Valve (Standard Bore) to BS:5352
- Bolted Cover
- 13% Cr. S.S. (AISI-410) Trim
- Screwed Female (BSPT, NPT, API) or Socket Weld Ends conforming to ASME B 16.11.



Test Pressure

Body : 3000 PSIG Hydrostatic
Seat : 2000 PSIG Hydrostatic, 100 PSIG Air

Design Features

- Stream lined shaped flow way area for smooth flow of the working fluid for minimum Pressure drop.
- Spiral wound S.S. 304 graphoil filler with inner ring gaskets are provided for Body Cover Joint.
- Renewable 13% Cr. S.S. (AISI-410) Body Seat Ring & Disc having a difference in hardness of at least 50HB.
- Self aligning fully guided Piston Type Disc is provided to ensure proper seating of the Valve Disc on Body Seat Ring.

Certification

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

Application : Steam, Water, Oil

HSN : 84818010

Materials

PNo.	Part	Nos.	Material	Standard
1	Studs	4	Alloy Steel	ASTM A193 Gr.B7
2	Nuts	4	H.T.Steel	ASTM A194 Gr.2H
3	Cover	1	Forged Steel	ASTM A105
4	Gasket	1	Spiral Wound S.S. 304 Graphoil Filler with Inner Ring	–
5	Check Valve Seat	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
6	Body Seat Ring	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
7	Body	1	Forged Steel	ASTM A105

Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L	H	T	ØB	D (Min.)
1/2	15	90	66	1/2	21.8 / 22.2	9.5
3/4	20	102	74	3/4	27.2 / 27.6	12.7
1	25	120	87	1	33.9 / 34.3	12.7

Nominal Size (Inches)	Nominal Size (mm)	L	H	T	ØB	D (Min.)
1.1/4	32	143	106	1.1/4	41.73 / 42.09	15
1.1/2	40	165	112	1.1/2	47.62 / 47.98	15

