

## 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 asbestos filled 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	S.S. 18/8% Cr./Ni (AISI 304) Spiral Wound Asbestos Filled	-
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

