

FS-6 Forged Steel Horizontal Lift Check Valve Reduced Bore

Description

- NETA Forged Steel Class-800 Horizontal Lift Check Valve (Reduced 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 | B | D (Min.) |
|-----------------------|-------------------|-----|-----|-------|---------------|----------|
| 3/4 | 20 | 90 | 66 | 3/4 | 27.2 / 27.6 | 12.7 |
| 1 | 25 | 102 | 74 | 1 | 33.9 / 34.3 | 12.7 |
| 1.1/4 | 32 | 120 | 87 | 1.1/4 | 41.73 / 42.09 | 15 |
| 1.1/2 | 40 | 143 | 106 | 1.1/2 | 47.62 / 47.98 | 15 |





| Nominal Size (Inches) | Nominal Size (mm) | L | H | T | B | D (Min.) |
|-----------------------|-------------------|-----|-----|---|---------------------|----------|
| 2 | 50 | 165 | 112 | 2 | 59.43 / 59.79 | 16 |

