



Specification

TVS-4000 Universal Steam Trap Connector Block

Category: Steam Traps

Type: Trap Valve Station

Model: TVS-4000

Part 1 - General

1.1. Description

- 1.1.1. The TVS-4000 shall be a 360° universal connector and shall be compatible with any Armstrong 2-bolt traps.
- 1.1.2. The trap valve station shall incorporate an inlet valve, outlet isolation valve, test valve, strainer, and strainer blowdown valve, which shall also serve as a bleed valve.
- 1.1.3. TVS-4000 shall be NPT, SW, or flanged connections, for sizes ½", ¾", and 1".

1.2. Submittals

- 1.2.1. Armstrong TVS-4000 literature: full item description and optional features and accessories estimated dimensions, materials, and model numbers shall also be included.
- 1.2.2. Armstrong general assembly TVS drawings shall provide insight into dimensions, components, connection sizes and types, and all design and inspection details of drawn TVS.
- 1.2.3. Installation, operation, and maintenance instructions (IOM) include general safety information, instruction for operation, testing and troubleshooting, and installation details.

2. Part 2 - Materials

2.1. TVS Body

- 2.1.1. TVS-4000 body to be ASTM A351 GR. CF8M.

2.2. Wetted Parts

- 2.2.1. All other wetted parts shall be of stainless steel except the valve sealing rings which shall be a mixture of graphite and stainless steel.

2.3. Valves

- 2.3.1. The integral inlet/outlet isolation valves to be piston-style with removable stainless steel, ASTM A351 Gr. CF8M, bonnets. Stems covered by the bonnet and handwheel to protect against corrosion. Isolation valves to use graphite and stainless-steel valve sealing rings and stainless-steel lantern bushing. Material of handwheels shall be stainless steel. Threads shall be ACME Threads. The number of turns required to fully open or close the isolation valves shall not exceed 5 turns.
- 2.3.2. The test valve shall be a full port needle style valve of stainless steel.
- 2.3.3. The blowdown valve shall also be a needle style of stainless steel.
- 2.3.4. All (4) valves shall be in-line repairable or replaceable.