



Series BBV-2 5-Valve Block and Bleed Manifold
Specifications - Installation and Operating Instructions



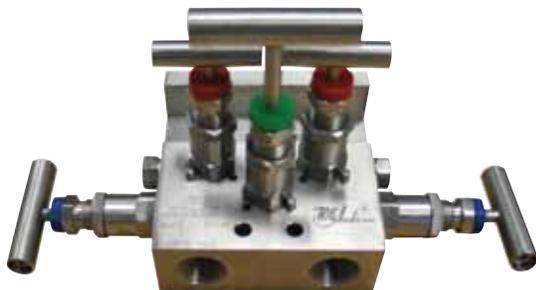
BBV-21



BBV-21F



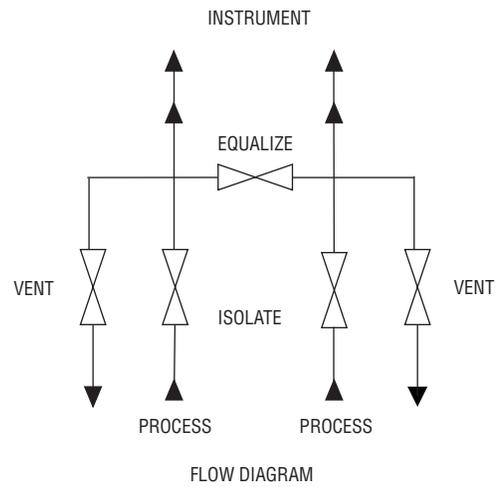
BBV-22



BBV-22F



BBV-23F



Series BBV-2 Block and Bleed Manifold is ideal for use over a broad range of industrial applications including oil refineries, nuclear power stations, petrochemical processing, and more. The Series BBV-2 body is forged from 316 stainless steel bar stock and designed to withstand repeated open and close operations. Suited to control oil, water, toxic fluids, chemicals, air, and steam; the 5-valve block and bleed manifold has (2) isolate, (1) equalizing, and (2) vent valves. Each valve stem is precision machined with hard seats to reduce operating torque. Flanged models are designed to mount to an industrial differential pressure transmitter. The BBV-21F and BBV-22F come with four 7/16-20 UNF mounting bolts and two PTFE gaskets. The BBV-23F comes with eight 7/16-20 UNF mounting bolts and two PTFE gaskets.

INSTALLATION

Refer to the drawing shown above. The connections to the device must be made accordingly. The BBV-2 5-Valve Block and Bleed Manifold can be mounted in any position. The BBV-2 is fitted with color-coded caps for valve identification:

- ISOLATE (Blue)
- EQUALIZE (Green)
- VENT/TEST (Red)

CAUTION

1. Do not remove the instrument from BBV-2 Block and Bleed Manifold when the system is under pressure.
2. Do not remove the safety pin provided on the body.
3. Do not use the BBV-2 Block and Bleed Manifold above the recommended working pressure and temperature in the specifications.

Make sure that the threaded joints are tight. Open the vent valve by moving the handle in the counterclockwise direction, close the isolation valve by moving the handle in the clockwise direction and remove the vent plug to drain out the fluid. To isolate the system, close the vent valve by moving the handle in the clockwise direction and open the isolation valve by moving the handle in the counterclockwise direction.

SPECIFICATIONS

Service: Compatible liquids, gases, or steam.

End Connections:

- Process connection: 1/2" female NPT; Flange: DIN 19213 flange;
- Instrument connection: No flange: 1/2" female NPT; Flange: 1/2" DIN 19213 flange;
- Vent/test: 1/4" female NPT.

Wetted Materials: Body, stem, valve assembly: 316 SS; Stem packing: PTFE.

Pressure Limit: 6000 psi (400 bar).

Temperature Limit: 464°F (240°C).

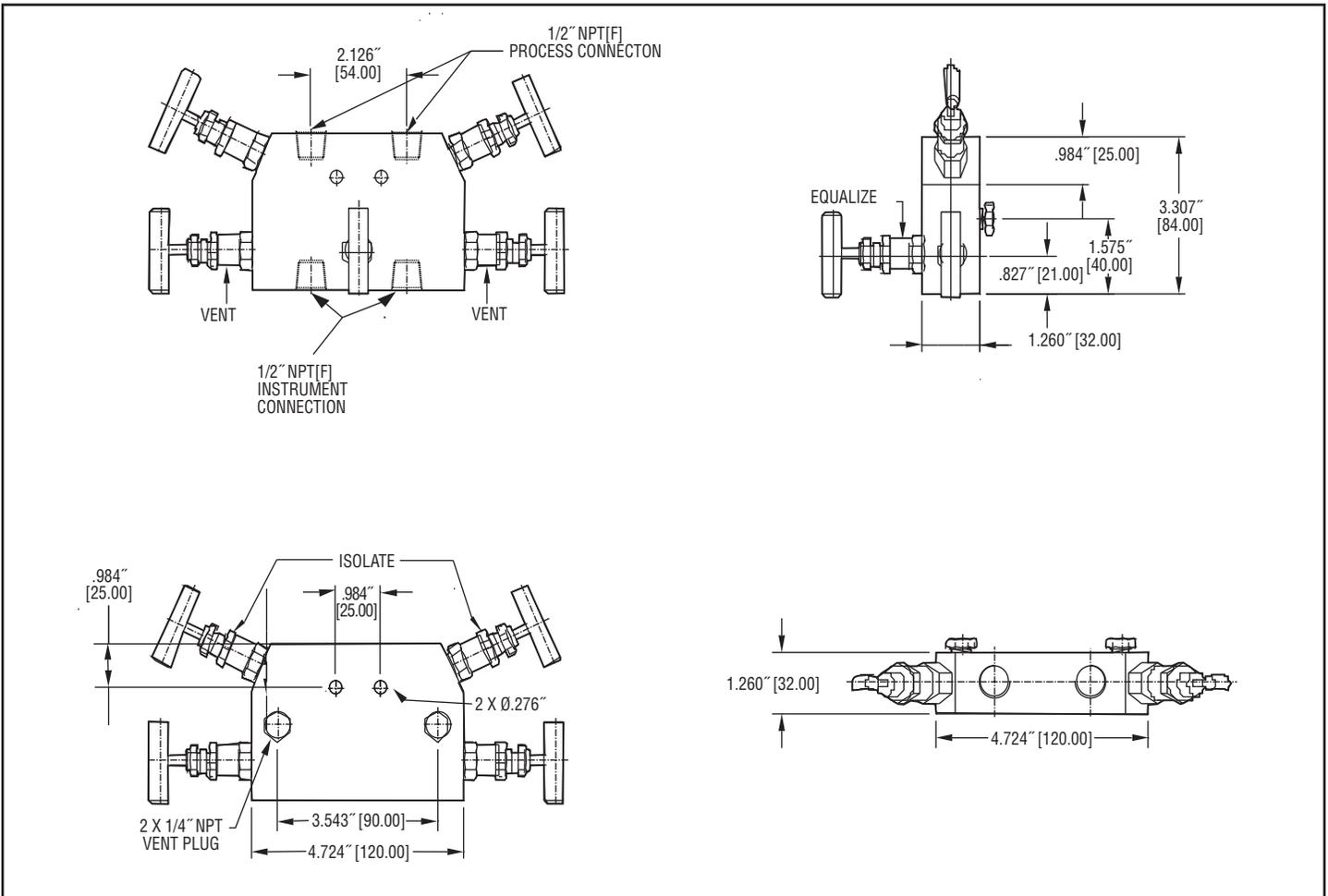
Other Materials: Handle: 304 SS.

MAINTENANCE

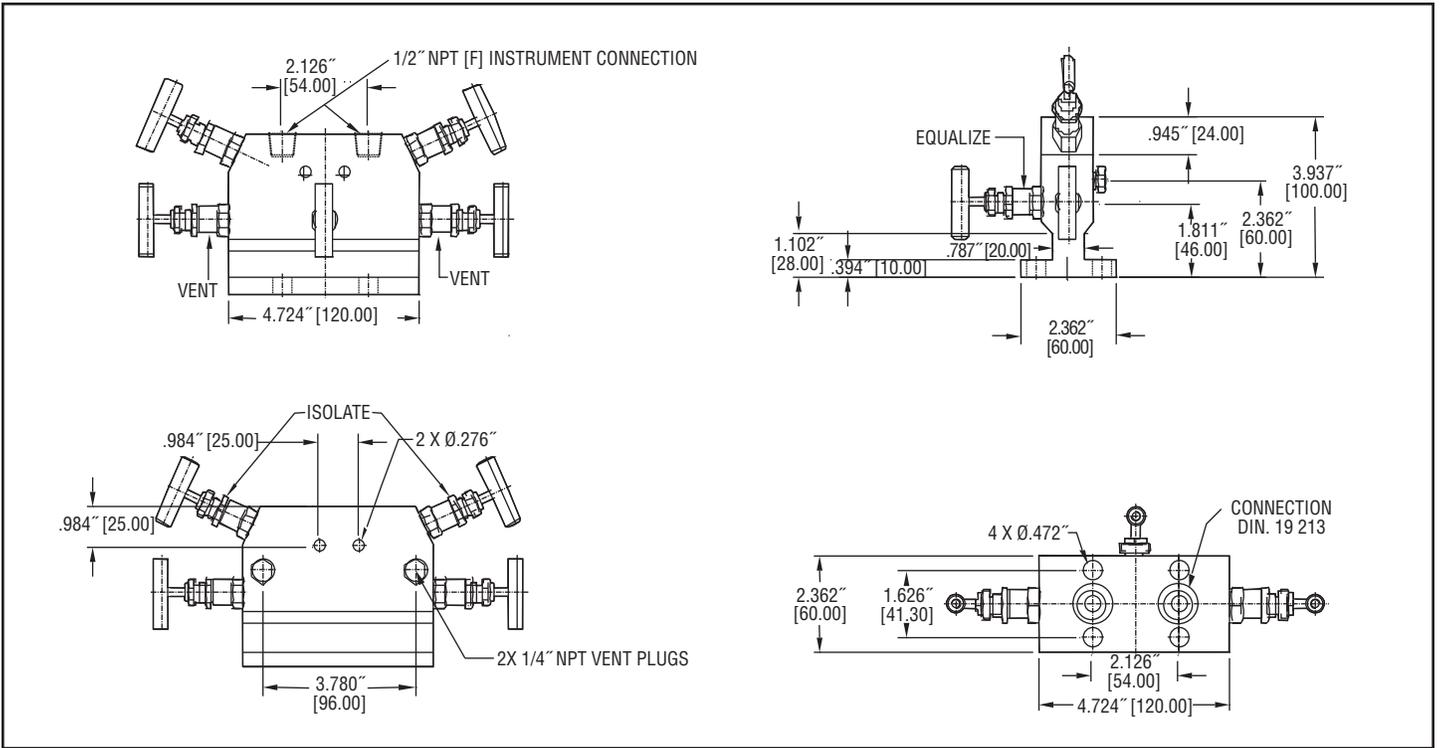
After final installation of the block valve, some routine maintenance is required. The Model BBV-2 is not field repairable, with the exception of previously stated maintenance, and should be returned if repair is needed (field repair should not be attempted and may void the warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact Customer Service to receive a return goods authorization (R.G.A.) number before shipping.

DIMENSIONS

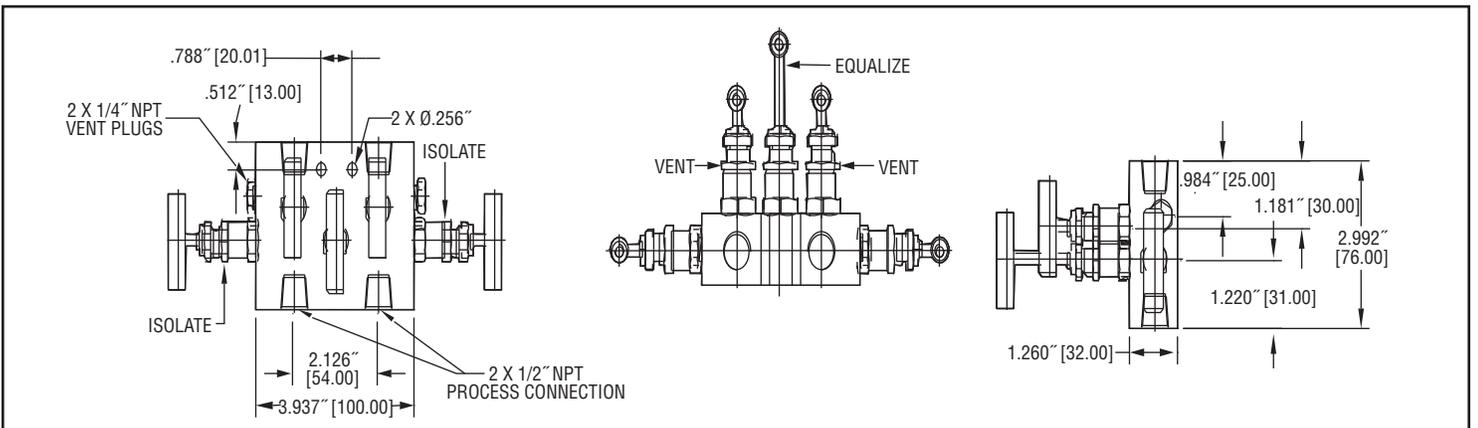
BBV-21



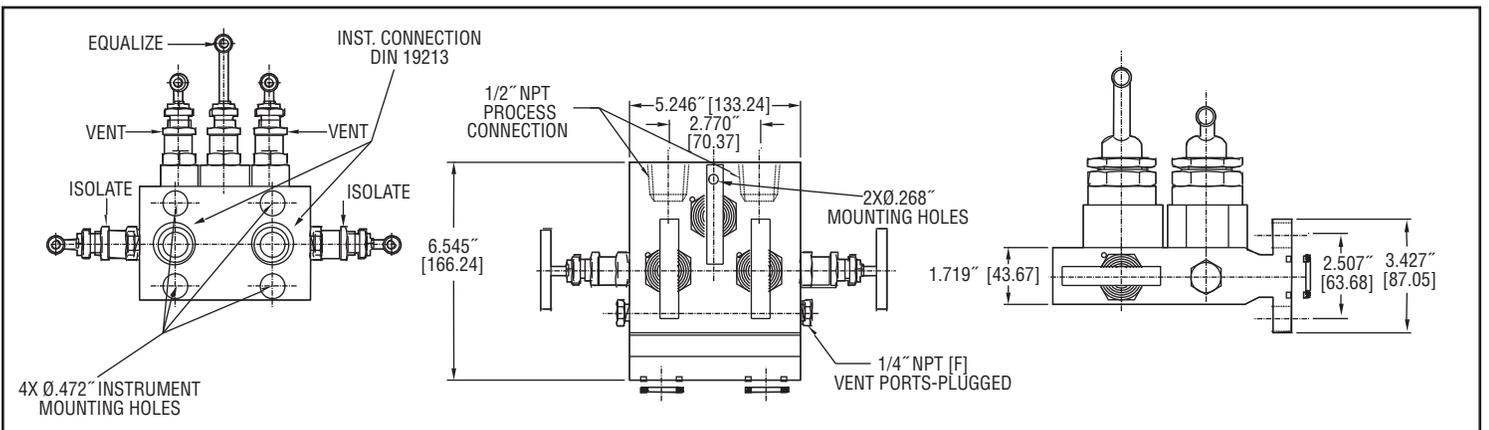
BBV-21F



BBV-22



BBV-22F



BBV-23F

