

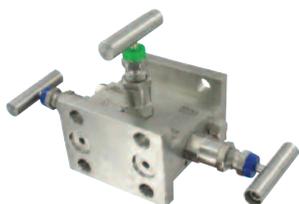


## Series BBV-1 3-Valve Block Manifold

### Specifications - Installation and Operating Instructions



BBV-1F



BBV-1D



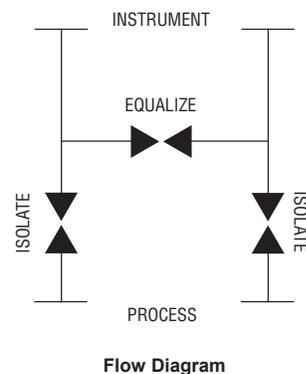
BBV-1



BBV-1B



BBV-1M



Flow Diagram

**Series BBV-1 Block Manifold** can be used over a broad range of industrial applications including oil refineries, nuclear power stations, petrochemical processing, and more. The Series BBV-1 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 3-valve block manifold has (2) isolate and (1) equalizing valves. Each valve stem is precision machined with hard seats to reduce operating torque.

The flanged model is designed to mount to an industrial differential pressure transmitter. The BBV-1F comes with four 7/16-20 UNF mounting bolts and two PTFE gaskets, and the BBV-1D comes with eight 7/16-20 UNF bolts and four PTFE gaskets.

#### INSTALLATION

Refer to the drawing shown above. The connections to the device must be made accordingly. The BBV-1 3-Valve Block Manifold can be mounted in any position. The BBV-1 is fitted with color-coded caps for valve identification:

ISOLATE (Blue)

EQUALIZE (Green)

The BBV-1 3-Valve Block Manifold require periodic maintenance. It is recommended to change the sealing gaskets periodically for safety.



#### CAUTION:

1. Do not remove the instrument from BBV-1 3-Valve Block Manifold when the system is under pressure.
2. Do not remove the safety pin provided on the body.
3. Do not use the BBV-1 3-Valve Block Manifold above the

recommended working pressure and temperature given in the specifications.

#### SPECIFICATIONS

**Service:** Compatible liquids, gases, or steam.

#### End Connections:

Process connection: No flange; 1/2" female NPT; Flange: 1/2" instrument connection DIN 19213;

Instrument connection: No flange; 1/2" female NPT; Flange: 1/2" instrument connection DIN 19213;

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 Material:** Handle: 304 SS.

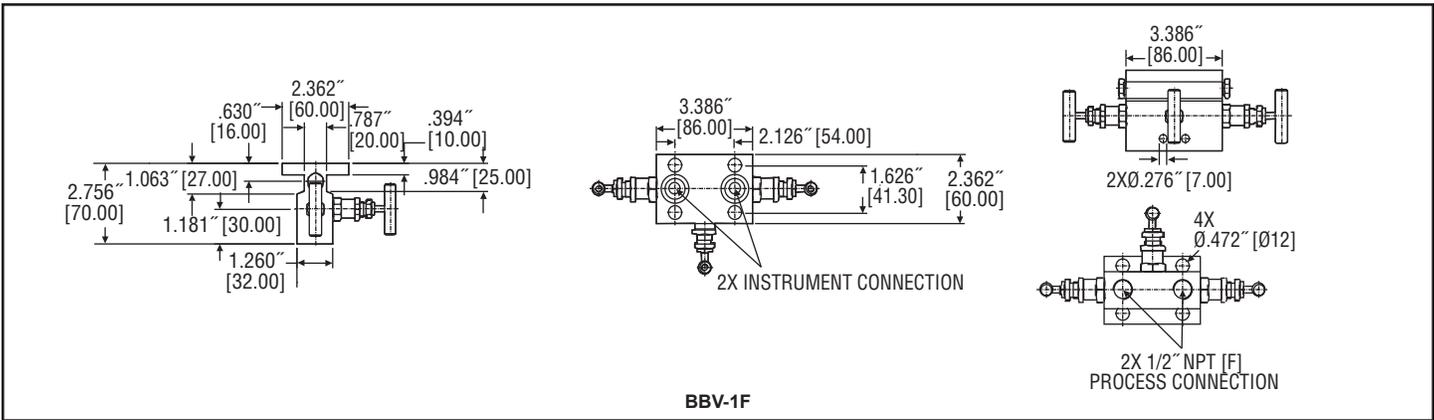
#### MAINTENANCE/REPAIR

Upon final installation of the Series BBV-1, no routine maintenance is required. The Series BBV-1 is not field serviceable and should be returned if repair is needed. Field repair should not be attempted and may void warranty.

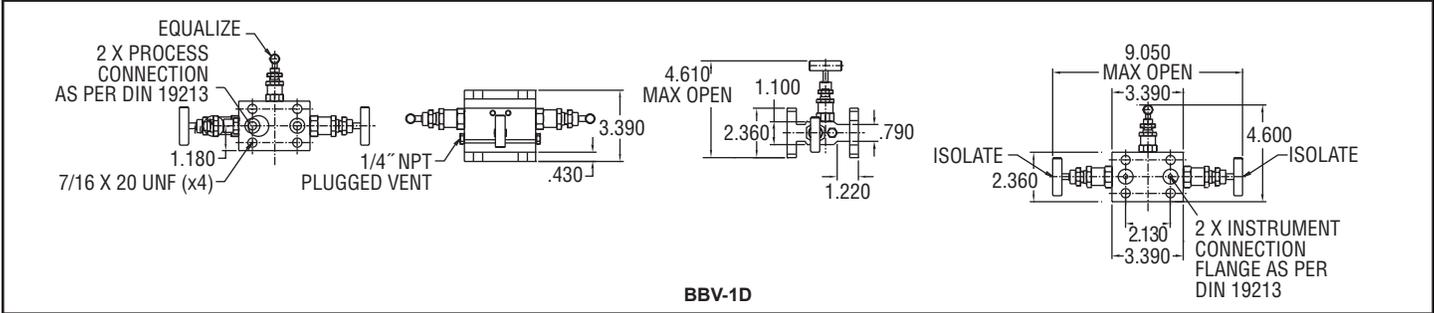
#### WARRANTY/RETURN

Refer to "Terms and Conditions of Sales" in our catalog and on our website. Contact customer service to receive a Return Goods Authorization number before shipping the product back for repair. Be sure to include a brief description of the problem plus any additional application notes.

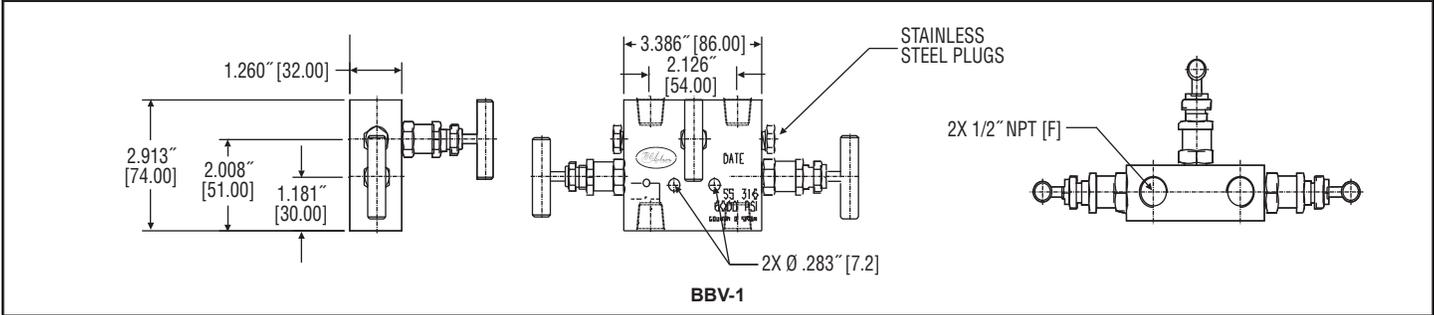
**DIMENSIONS**



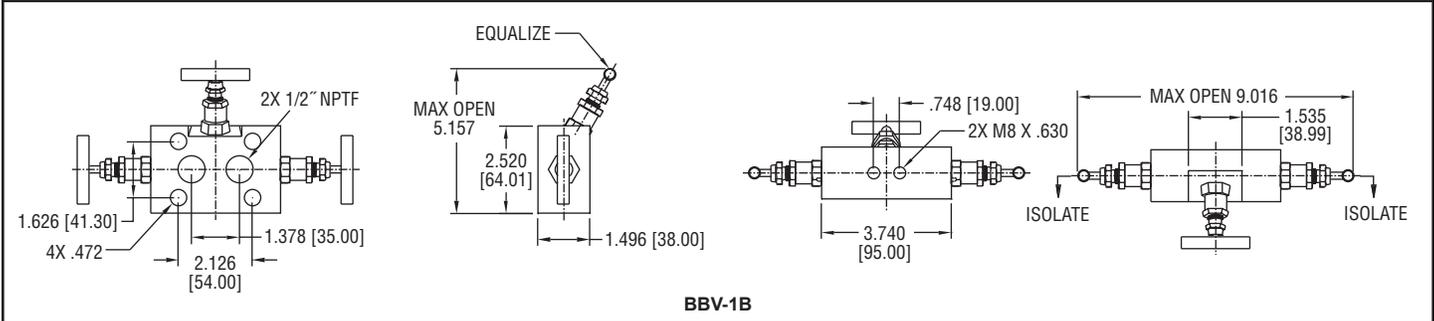
**BBV-1F**



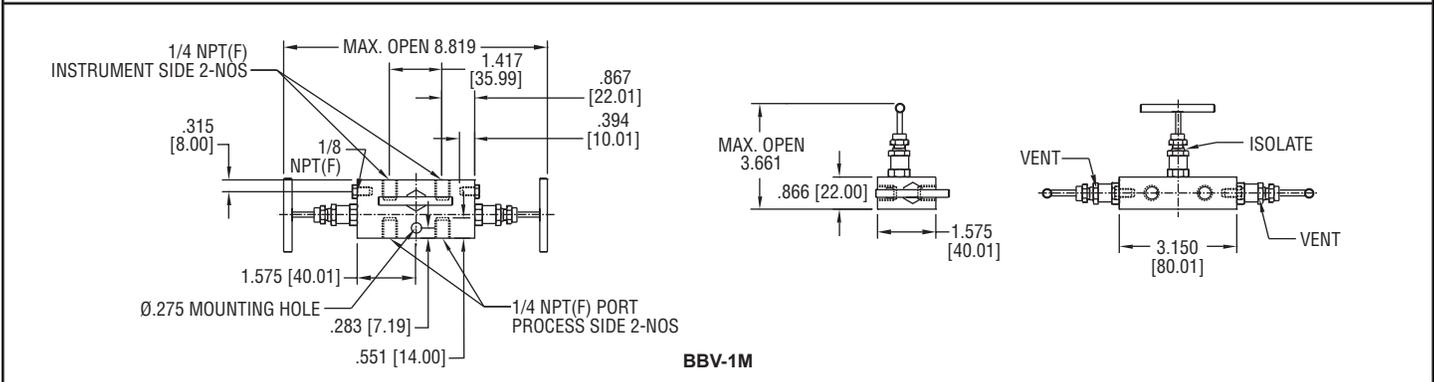
**BBV-1D**



**BBV-1**



**BBV-1B**



**BBV-1M**