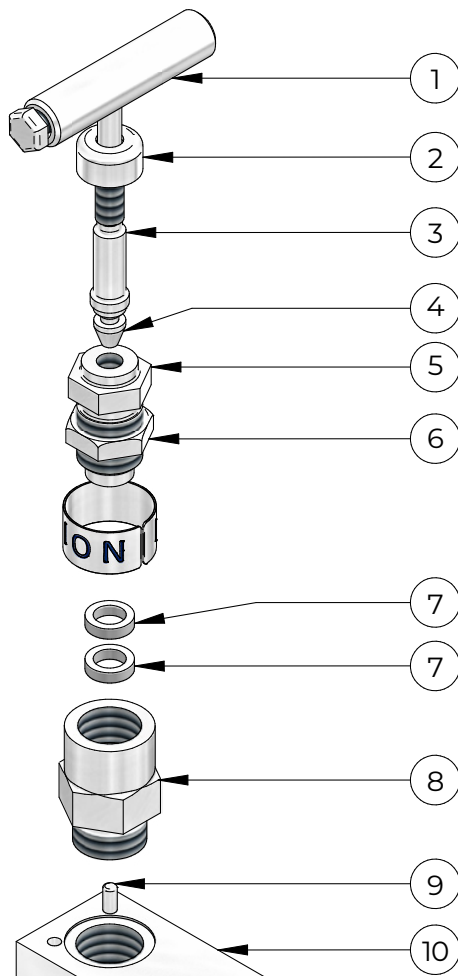




BULK srl, an ISO 9001 certified company, has been manufacturing instrument manifolds and gauge valves since 1999. All products meet the requirements of NACE MR0175 (as standard) or NACE MR0103 (on request).



- 1) T bar handle made of AISI 304
- 2) Dust cap made of high density plastic (with PTFE packing) or metal (with graphoil packing)
- 3) Stem made of AISI 316/L
- 4) Needle made of AISI 316/L
- 5) Gland nut made of AISI 316/L
- 6) Lock nut made of AISI 316/L
- 7) Packing made of PTFE (max temperature 200°C) or graphoil (max temperature 500°C) + AISI 316/L
- 8) Bonnet made of AISI 316/L
- 9) Lock pin made of AISI 304
- 10) Body made of AISI 316/L

COLOUR CODED FUNCTIONAL IDENTIFICATION

ISOLATION DUST CAP



EQUALIZING DUST CAP



VENT DUST CAP



NOTES:

- Upon request, all parts are available in the same material as the body
- Other materials are available on request



INSTALLATION:

- 1.1 Remove the manifold from the shipping box, checking that the part number stamped on the body corresponds to the one specified on your order.
- 1.2 Prior to manifold installation, check that the piping to which the manifold is to be connected is clean and remove any foreign matter such as processing residues, debris, dirt, etc.
- 1.3 All pipe and fitting connections must be tightened thoroughly. NPT pipe joints depend on proper, smooth engagement between the male and female threads, generally using a thread sealant. For a flanged/direct mounting, the connection must be made using bolts and O-rings supplied with manifold.

OPERATION:

- 2.1 Manifolds which have been reasonably matched to a typical service application and properly installed in its piping system can be expected to have a long service life. However, manifolds contain moving parts and components subject to wear, and their performance depends on the long-term preservation of highly finished surfaces on the stem and bonnet body.
- 2.2 The manifold's handles have been designed to provide an adequate seating force to maintain a seal at its maximum working pressure without use of additional mechanical advantage. The use of other tools to operate the manifold is not necessary and can cause damage to the manifold.
- 2.3 All manifolds are equipped with rising stems featuring a right-hand thread. Rotate the handle clockwise to close the manifold, counter-clockwise to open it.

MAINTENANCE:

- 3.1 Manifolds which are kept in the same position for a long time may be subject to aging of their packing surfaces, loss of operability due to the depletion of effective thread lubricants, corrosion of moving part or build-up of harmful solids. Scheduling a periodic cycle of operation for such manifolds can be helpful.
- 3.2 Stem seal leakage generally results from seal wear and can usually be corrected by adjusting the stem seal.

STEM PACKING ADJUSTMENT:

- 4.1 This adjustment can be performed safely while the manifold is under pressure. Refer to the drawing in design feature for the corresponding part names (handle, lock nut, ...).
- 4.2 Turn the handle assembly counter-clockwise until the manifold is fully open. This operation must be performed prior to adjusting the packing.
- 4.3 Loosen the lock nut by turning it counter-clockwise.
- 4.4 Tighten the gland nut (packing adjuster) by slowly turning it clockwise, until the leak is corrected. CAUTION: if the gland nut will not turn with reasonable force, it has bottomed out and the manifold can't be serviced; it must be substituted or sent back for manufacturer inspection.
- 4.5 Re-tighten the lock nut.
- 4.6 Operate the stem from fully open to fully closed, to ensure that the leak has been corrected.
- 4.7 The manifold is ready for normal operation; the stem must be placed in the required operating position.

PRESSURE RATING VS TEMPERATURE

