

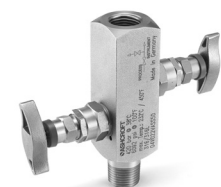
V02 Style A
5-Valve Manifold
(Direct mount)



V02 Style A
3-Valve Manifold
(Direct mount)



V02
Style A (inline)



V02
Style A



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1 DESCRIPTION

1.1 Intended use

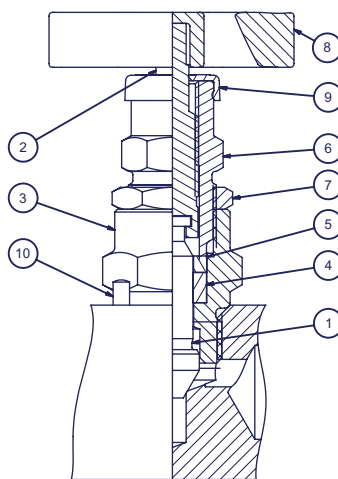
Manifold valves are used for connecting measuring devices and for shutting off differential pressure pipes in chemical plants, power plants and similar facilities. The permissible operating pressure depends on the temperature of the medium, materials and seals used. The respective pressure-temperature diagram on the datasheet shows the operating pressure. Any other use or unauthorized changes are not permitted and will relieve the manufacturer of all liability for any resulting damage.

Material:

It must be ensured that the selected materials for the wetted parts of the manifold valve for the media being used are appropriate. Ashcroft is not responsible for damage caused by corrosive media on the manifold valve. Failure to observe this precaution can mean danger for the user and damage to the pipe system.

1.2 Information on the pressure equipment

The allowable operating pressure depends on the temperature of the medium, seals and the materials used.



Standard Packing	
1	Needle
2	Valve stem
3	Bonnet
4	Packing
5	Gland
6	Gland nut
7	Hexagon nut
8	T-handle with pin
9	Dust cap
10	Lock pin

2 TRANSPORTATION AND STORAGE

The manifold valve may be used only in its originally packed status and stored to avoid soiling or damage. The transport of the manifold valve may only be carried out in a pressure-free condition.

3 INSTALLATION

3.1 Installation conditions

The following installation conditions apply to the manifold valve:

Manifold valves must be installed so that employees or third parties are not at risk. The required safety distances for installation in accordance with the applicable local guidelines must be complied with.

The manifold valves must be positioned or installed so:

- they are accessible for any necessary inspection and are clearly visible,
- the labelling is clearly legible and
- operation of the manifold valve is possible from a safe distance.

The manifold valve must be protected against mechanical

impact from external forces as well as tampering by unauthorized persons.

3.2 Connecting the manifold valve

The manifold valve must be connected via the inlets and outlets provided. Welding seams on connections must be valid and, per weld procedures, implemented and checked. Steel welded connections must be painted after welding to prevent corrosion.

4 START-UP

Commissioning may only be carried out when the industrial valves:

- are properly installed in a plant,
- have been inspected for correct assembly and
- the installation conditions and the safe function have been checked.

The pre-commissioning test must be arranged by the system operator. The applicable local regulations for testing upon installation must be complied with.

5 OPERATION

5.1 General information

- Manifold valves are used for shutting off different media. They can be poisonous, explosive, irritating, very hot or very cold. Installation and maintenance work must only be performed by skilled personnel. In addition to these operating instructions are the general safety and accident prevention regulations, the operating instructions of the plant and the measuring device used to Note. For example, oxygen operation. The manifold valve should only be operated by qualified and authorized personnel.

5.2 Operating conditions

- The permissible operating conditions should be taken in accordance with the manifold valve datasheet. The respective pressure/temperature diagrams represent the permissible operating conditions.

5.3 Operation

- The manifold valves are operated with a T-handle and are closed in a clockwise direction. The manifold valve is equipped with a metal back seal between the valve tip or the valve stem and bonnet. The manifold valve head units must therefore always be opened completely. This back seal is pressure supported. The higher the system pressure, the greater the force with which the tip is pressed into the back seal. Do not increase the closing torque when the manifold valve tip is in the back seal position. This is unnecessary and could cause damage in the stem-tip connection.

6 MAINTENANCE

6.1 Maintenance and repair

- The valves should be checked regularly for leaks and damage and must only be removed when they are pressure free. Even when depressurized, the components can stay very hot for a long time. Small amounts of medium may also escape during disassembly so protective goggles and gloves must be worn.