

1. Note

These operating instructions should be read and followed carefully before unpacking and assembling, or using the fitting. The fittings must only be assembled, used, maintained and repaired by persons who are familiar with the operating instructions and the applicable regulations concerning industrial safety and accident prevention.

2. Use according to regulations

Valves are used to block and regulate medium flows. Only clean, liquid or gaseous mediums that are resistant against the materials used, must be used. The operation of valves takes place only within the declared pressure and temperature limits. Soiling or applications outside pressure and temperature data can lead to damage to the fitting, in particular to the seals.

3. Application/Operation

The valve is opened or closed by turning the hand wheel. During the closing process, attention has to be paid that no objects or body parts are stuck in the fitting. Apply appropriate protective devices where required. The direction of flow is identified by an arrow on the valve casing.

4. Checking the fitting before assembly

The valves are checked before dispatch and handed over to the carrier in an impeccable condition. Should any damage be visible on the packaging, we recommend checking the goods closely in the presence of an employee of the carrier. In the event of damage please inform the carrier immediately, as it has to bear liability for transport damage.

5. Scope of delivery

For fittings, the hand levers / hand wheels sometimes accompany the packaging unassembled. The hand lever / hand wheel must be assembled before commissioning the fitting.

6. Mounting into the piping

Before installation or, respectively, commissioning, make certain that the permitted max. operating pressures and operating temperatures of the fitting are not exceeded. Where necessary, remove all transport protection (e.g. caps and plugs). Make certain that no packaging components or other objects are left on the fitting. Sealing is done with commercially available sealing materials.

Check whether the sealing material meets requirements. Ensure that no remnants of the sealing material or other contamination (e.g. welding residues from the pipe conduits) get into the fitting. Valves with weld-on ends must be disassembled before welding in, due to the resulting heat. The upper part should be replaced by a distance piece during welding work. When installing the fitting, attention should be paid that no large tensile or pressure loads on the screw connections arise.

6.1 Bleeding of the fitting is done by means of a bleeder screw. Only loosen this slightly when the fitting is open and pressurised, because the measuring substance leaks over the thread and is released with operating pressure.

Caution: Installation of the fitting must absolutely be carried out by means of a suitable tool. The valve spindle must not be used as an assembly lever under any circumstances. When assembling outdoors you must note that the valve casing can be destroyed if the medium freezes. If possible, you should check right after mechanical installation that the connection between fitting and pipe conduit is sound.

7. Maintenance

7.1 For valves with stuffing box gasket: The stuffing box gasket is re-adjusted on requirement by re-tightening the gland nut.

7.2 The stuffing box gasket is exchanged by loosening the gland nut and screwing out the spindle with gasket. After disassembling the hand wheel the worn gasket is replaced with a new one. The thread of the valve spindle together with the gasket should be coated with a suitable lubricant. Assembly occurs in the reverse sequence.