

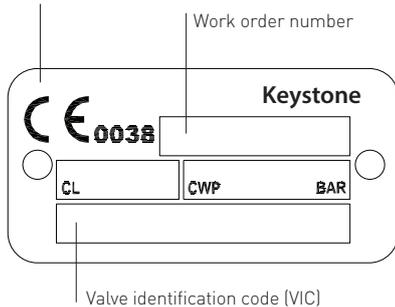


KEYSTONE OPERATING AND SAFETY INSTRUCTIONS

MODEL FC CHECK VALVES

Before installation these instructions must be fully read and understood

CE Mark in accordance with P.E.D. requirements



STORAGE/PROTECTION/SELECTION

Storage

When valves are to be stored for some time before being fitted, storage should be in the original delivery crates with any waterproof lining and/or desiccant remaining in place. Storage should be off the ground in a clean, dry, indoor area. If storage is for a period exceeding six months the desiccant bags (if supplied) should be changed at this interval.

Protection

Valves are delivered with protection according to customer's specification, or in accordance with the Quality Assurance Manual, to protect the valve seats and closure member from damage. Wrapping and/or covers should be left in place until immediately before fitting to the pipe.

Selection

Ensure the valve's materials of construction and pressure/temperature limits shown on the identification plate are suitable for the process fluid and conditions. If in doubt contact the manufacturer.

INSTALLATION

WARNING

For safety reasons, it is important to take the following precautions before you start work on the valve:

1. Personnel making any adjustments to the valves should utilize equipment and clothing normally used to work with the process where the valve is installed.
2. The line must be depressurized, drained and vented before installing the valve.
3. Handling and installation of all valves, operators and actuators must be carried out by personnel trained in all aspects of installation and manual/mechanical handling techniques.
4. Ensure the valve pressure/temperature limitations marked on the identification label are above or equal to service conditions.

Installation

1. Installation may be carried out with pins displaced through any angle permitted by the bolting.
2. Check valves are designed to be unidirectional and the valve body is labeled accordingly.
3. Ensure that mating flanges and gaskets are clean and undamaged.
4. Should there be any possibility of abrasive particles (weld slag, sand etc.) within the piping system, this could damage valve seating areas. The system will need to be flushed clean.
5. Ensure mating pipe flanges are aligned correctly, bolting should be easily inserted through mating flange holes.
6. Fit the valve into pipework.
7. Tighten the flange bolts in a diagonal pattern.

KEYSTONE OPERATING AND SAFETY INSTRUCTIONS

MODEL FC CHECK VALVES

OPERATION/ROUTINE MAINTENANCE/SPARE PARTS

!! Read all warning labels fitted to the valve before operation or maintenance !!

Operation

The valve operates automatically, according to the flow direction of the line media.

Routine maintenance

No routine maintenance is required other than periodic inspection to ensure satisfactory operation and sealing.

Spare parts

Valves are identified by a code, which is stamped on the identification plate, located on the valve body. This reference should be quoted in respect of any after sales queries, spare parts or repair enquiries/orders.

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