



KEYSTONE RMI PED - NON RETURN VALVES

OPERATING AND SAFETY INSTRUCTIONS

Before installation, these instructions must be fully read and understood

Hazard potentials

- disregarding of instructions
- improper use of product
- insufficiently qualified personnel

Ensure that valve materials are compatible with the pipeline fluid.

Pressure/temperature limits indicated in the P/T diagram in the product manual.

If in doubt, contact factory.

Check the valves functionality on a regular basis.

INSTALLATION

1. Handling and lifting should be performed according to the Maintenance & Installation Instructions.
2. The valve must be installed with the arrow pointing in the direction of the flow.
3. For detailed installation instructions refer to the Maintenance & Installation Instructions for the specified product.
4. Do not use the valve to spread the flanges.
5. Instructions whether to use or to omit flange gaskets are stated in the Maintenance & Installations Instructions.
6. In case the valve is used as spool piece during erection of piping, do not finish weld the flanges to the pipes with the valve bolted between the flanges as this will result in serious heat damage to the seat.
7. Valve operation should be checked for open - close positions. The disc should have enough clearance from the pipeline in all positions.
8. For commissioning of the valve see Installation & Maintenance instructions.

MAINTENANCE

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

Check the valve's functionality on a regular basis. No additional routine maintenance is required.

REPAIR

WARNING

The line must be depressurized before carrying out any repairs to the valve. In case of dangerous pipeline fluids, the pipeline should be drained and flushed with an appropriate cleaning fluid. Failure to do so may cause serious personal injury and/or equipment damage. Before disassembling the valve ensure the valve has been decontaminated correctly from any harmful gases or liquids and that it is within a safe temperature range for handling. Personnel making any adjustments to the valves should utilize suitable equipment. All required personal protection means should be worn. Only qualified personnel trained in all aspects of manual and mechanical handling techniques must carry out lifting and handling of valves.

Use RMI original spare parts only. For detailed information on valve (dis)assembly and part replacement, refer to the Maintenance & installation instructions.

PRECAUTIONS

WARNING

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

1. Personnel making any adjustments to the valve should utilize suitable equipment. All required personal protection means should be worn.
2. The line must be depressurized before installing the valve. In case of dangerous pipeline fluids, the pipeline should be drained and flushed properly with an appropriate cleaning fluid.
3. Personnel trained in all aspects of manual and mechanical handling techniques must carry out handling of all valves.
4. Do not use the valve beyond specification. The valve, handle, actuator and other parts may not be used as 'climbing tools'
5. Ensure the valve pressure/temperature specification as indicated on the identification label is within the pressure/temperature limits of the application. A full pressure/temperature diagram can be obtained from the product manual. With the use of figure and trim number on the valves identification label, the correct diagram can be found.



