

## **INSTRUCTIONS FOR INSTALLATION AND MAINTENANCE**

### **Warnings**

These instructions must be read and understood before installation and maintenance of the valve.

**WARNING! FAILURE TO FOLLOW THESE INSTRUCTIONS CORRECTLY COULD RESULT IN DANGER!  
NON-OBSERVANCE OF THESE WARNINGS WILL ALSO AFFECT THE PROPER FUNCTIONING OF THE  
PRODUCT.**

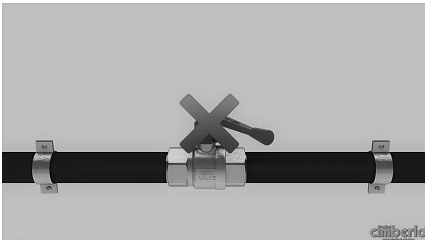
The manufacturer declines all responsibility for damages due to improper use of the product.

### **Installation**

- The device must be installed, commissioned and maintained by qualified technical personnel in accordance with national regulations and/or local requirements.
- If the device is not installed, commissioned and maintained correctly according to the instructions in this manual, then it may not function properly and put the user in danger.
  - Clean the piping from debris, rust, scale, lime scale, welding slag and other contaminants.
  - The hydraulic circuit must be clean. Ensure that all connecting fittings are hydraulically sealed.
  - When making the hydraulic connections, take care not to mechanically over-tighten the threads and/or fittings in general. Over time, breakages with hydraulic leaks may occur, causing damage to property and/or persons.
- It is forbidden to use the device differently from its intended use.
- Any combination between the device and other components of the system must be made taking into account the operating characteristics of both. Any incorrect combination could affect the operation of the device and/or the system.
- The product must be used within the limits of the pressure/temperature diagram.
- If the product is used with fluids other than Methane and LPG, contact the manufacturer for compatibility.
- Check that the design flow rate is within the operating range of the valve.
- Observe the flow direction with the direction of the arrow printed on the valve body.
- Distribute the sealing material only on the thread of the pipeline and not on the thread of the valve.
- Use a fixed wrench and not a pipe turner for mounting, applying the torque only to the valve sleeve closest to the pipe. This promotes a firmer grip and prevents damage to the valve body. In order to prevent any deformation or damage to functional parts, do not place the valve in a clamp when assembling on a bench, but instead lock the pipe and screw the valve onto it.
- The length of the pipe thread must not exceed the useable thread of the valve.
- Before installation, check the correct functioning of the product.
- It is not permitted to disassemble components of the product unless specifically indicated in these instructions.



Deterioration or rupture of any part of the manually operated ball valve means that the complete valve must be replaced: alteration of any part of the valve means that the valve does not meet the performance requirements of EN331. All installations must be performed in accordance with local installation regulations and codes of practice where they exist. It is essential to follow the installation instructions of the manufacturer of the manually operated ball valve including those for the correct positioning of the valve connection point. Installation is considered correct if no leakage is observed after pressure is applied using leak detection sprays or equivalent methods.



Never use ball valves to regulate flow, but only to intercept fluids to intercept fluids, so to avoid damages to gaskets.



Fully operate the valve at least once every 3 months to prevent limestone deposits which would upset smooth running; tighten the gland screw.



**WARNING:** Before carrying out maintenance, make sure that the system is not in operation and under pressure.  
Methane and LPG are flammable gases.  
During the installation, commissioning and maintenance of the device, take the necessary precautions to ensure that people are not endangered.



WARRANTY: All Cimberio products are guaranteed for five years when correctly used in accordance with technical data provided by Cimberio.

Cimberio reserves the right to make changes and improvements to the products without prior notice.