

## Installation & Operating Manual



## Screwed Ball Valves

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### 1. Introduction

- The CORE range of Screwed Ball Valves are suitable to be used as on / off operating devices in pipework systems.
- The CORE range of Screwed Ball Valves have been classified in accordance with PED 2014/68/EU.

### 2. Technical Data

<i>Valve Type</i>	<i>Size Range</i>	<i>Connection Type</i>	<i>Temperature Rating</i>	<i>Pressure Rating (Max)</i>
CORE 750	DN 15 -DN 100	ISO 7-1 ISO 228 / NPT	0°C – 140°C	See datasheet
CORE 171A	DN 15 – DN 50	ISO 7-1 / NPT	0°C – 130°C	40 Bar

### 3. Valve Features

- The CORE range of Screwed Ball Valves are offered as both reduced bore and full bore. Please refer to individual product data sheets for further details.
- The CORE range of Screwed Ball Valves are operated by use of hand lever and should only be used in the fully open or fully closed position. Flow regulation or throttling should be avoided as this may cause damage to the valve seals.
- Should the CORE range of Screwed Ball Valves be required for end of line service, a suitable blanking fitting should be used.

### 4. Valve Installation

- We recommend that the installer adheres to the installation requirements as specified by the Water Supply Water Fittings Regulations 1999.
- Screwed Ball Valves provide a positive shut off and the valve are uni-directional.
- The valve should be sited to ensure ease of access.
- It is the responsibility of the installer to ensure the valve is suitable for service conditions e.g., temperature, pressure, and service media.
- Where fitted, remove flange protectors / dust caps and all other packaging material.

- Care should be taken to ensure the surface finish of the valve is protected during installation. Any damage to the valve surface may cause metallic corrosion.
- The valves may be installed in horizontal pipework with the stem in the vertical position, or in vertical pipework with the stem horizontal.
- Suitable gaskets or sealing materials should be used during installation.
- It is the responsibility of the installer to ensure that the valve, and adjoining pipework is suitably supported to avoid any undue stresses being applied to the valve.
- It is the responsibility of the installer to ensure that no undue stresses are applied to the valves during the installation process, particularly with regards to any valve body joints and threaded connections.
- It is the responsibility of the installer to protect the valve, and any adjoining pipework from the effects of galvanic corrosion.
- It is the responsibility of the installer to ensure that the valve, and any adjoining pipework be adequately lagged in accordance with current guidance or regulations.
- In line with BSRIA recommendations, suitable consideration needs to be made as to how the removal of system debris can be achieved during the flushing process.

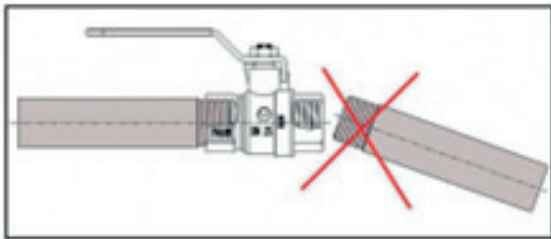
## 5. Preparation & Jointing



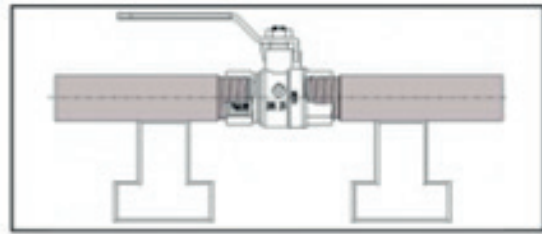
The threaded ends of the pipes should be free from burrs.



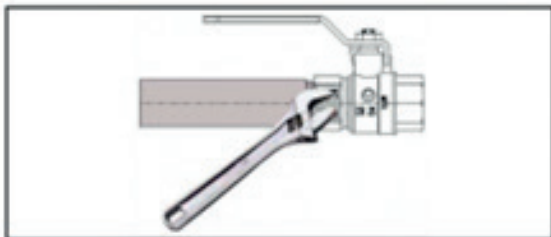
The screwed connections should be made using the minimum amount of PTFE tape.



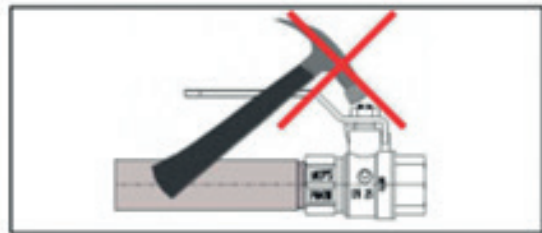
The connecting pipes should be on the correct perpendicular axis.



The connecting pipe should be well supported to avoid bending the valve.



The valve should be held in position with a spanner while the connecting pipes are screwed in.



The valve or connecting pipes should not be forced into position.



## **6. Approvals Classification**

- Please contact your CORE representative Quality Department for further details of any specific product approvals and accreditations.

## **7. Troubleshooting**

- If any maintenance is to be undertaken on the CORE range of Screwed Ball Valves it is the responsibility of the installer to ensure the system is adequately drained, depressurized and the valve isolated before any work commences.
- A full risk assessment should be undertaken prior to any works taking place.

## **8. Warranty**

- For further details about the CORE range's warranty period, please contact your CORE representative.