

Installation & Operating Manual



Flanged Gate Valves

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1. Introduction

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

2. Technical Data

Valve Type	Size Range	Connection Type	Temperature Rating	Pressure Rating (Max)
CORE 391 PN16	DN 50 – DN 600	EN 1092-2 PN 16	0°C – 80°C	16 bar
CORE 395 PN16	DN 50 – DN 600	EN 1092-2 PN 25	-10°C – 230°C	16 bar

3. Valve Features

- The CORE range of Flanged Gate Valves are designed as full bore which offers a large fluid passage with low pressure drop across the valve.
- The CORE range of Flanged Gate Valves are operated by use of handwheel and should only be used in the fully open or fully closed position. Flow regulation or throttling should be avoided.
- Should the CORE range of Flanged Gate Valves be required for end of line service a suitable blanking flange should be used.

4. Valve Installation

- CORE recommend that the installer adheres to the installation requirements as specified by the Water Supply Water Fittings Regulations 1999.
- Gate valves provide a positive shut off and the valve is bi-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 should be used during installation.
- It is the responsibility of the installer to ensure that the valve, and adjoining pipework is suitably supported.
- Bolt tightening must be even and diagonal around the valve face to prevent any alignment distortion. For further details regarding bolting sequences please contact your CORE representative.

5. Approvals Classification

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

6. Troubleshooting

- If any maintenance is to be undertaken on the CORE range of Flanged Gate Valve 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.

7. Warranty

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