



INSTALLATION & OPERATION GUIDE

Please the installation guide before use

1. Product Overview

This common guide covers compatible cast iron socketed ball-type non-return valves used in irrigation and water-delivery systems. The ball mechanism is intended to restrict reverse flow when correctly installed and maintained.

2. Before Installation

- Confirm valve size and thread compatibility.
- Check the intended flow direction.
- Inspect the body, threads, ball, and seat area for damage or debris.
- Clean mating threads and sealing surfaces. • Prepare suitable thread sealant.
- Isolate and depressurize the system before work

3. Installation Procedure

1. Position the valve in the intended flow direction.
2. Apply suitable thread sealant where required.
3. Start the connection by hand to prevent cross-threading.
4. Tighten carefully; do not over-tighten.
5. Avoid excessive force on adjoining pipework.
6. Keep the valve accessible where practical.

4. Commissioning

Start the system gradually. Check the joint for leakage and confirm the intended forward flow and restriction of reverse flow. Stop safely if abnormal operation or leakage occurs.

5. Maintenance

Inspect during servicing or when reverse flow, reduced delivery, or abnormal operation is observed. Isolate and depressurize before inspection. Clean grit or debris from the ball and seat area and inspect for damage or wear.

6. Troubleshooting

Reverse flow: check flow direction, ball/seat condition, and debris.

Reduced forward flow: check for blockage or obstruction around the ball and seat.

Threaded leakage: inspect compatibility, alignment, and sealing; reassemble correctly rather than excessively tightening.

7. Safety

Never install, adjust, open, or dismantle the valve while the system is running or pressurized. Follow pump, piping, and site safety procedures.

8. Important Note

Use this common guide together with the applicable product TDS and the complete pumping or irrigation system requirements. No specific operating-pressure rating should be assumed unless separately specified.

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