



INSTALLATION & OPERATION GUIDE

Please the installation guide before use

1. Product Overview

This guide covers installation and routine use of steel L-type jali bends with threaded connections for openwell pumps that are compatible with suction assemblies. The integrated jali is intended to screen larger debris at the suction entry when correctly positioned and maintained.

2. Before Installation

- Confirm nominal size and thread compatibility with the mating suction pipe/fitting.
- Inspect the bend, threaded area, and jali for damage, deformation, or blockage.
- Ensure the well water level and pump arrangement allow safe installation.
- Clean mating threads and sealing surfaces.
- Keep all work away from a live or pressurized system.

3. Installation Procedure

1. Position the jali so it remains clear of the well floor and accumulated deposits.
2. Apply a suitable thread sealant compatible with the installation where required.
3. Start the threaded connection by hand to avoid cross-threading.
4. Tighten carefully using suitable tools; do not over-tighten.
5. Ensure the connected suction pipework is properly supported and does not impose excessive bending load on the joint.
6. Confirm the jali is unobstructed and the suction path is clear.

4. Commissioning

Start the system gradually. Check the threaded joint and connected suction assembly for leakage, movement, or abnormal vibration. Verify that the suction entry remains unobstructed. Do not assume a pressure rating beyond that specified for the complete installed system.

5. Maintenance

Inspect the jali periodically and clean it whenever leaves, silt, or other debris accumulate. Inspect threads, sealing components, and the bend for wear or damage. Replace damaged or deformed components rather than compensating with excessive tightening.

6. Troubleshooting

- Reduced pump delivery: isolate safely and inspect the jali and suction path for blockage; also check for suction-side leakage or incorrect positioning.
- Leakage at threaded joint: isolate the system, check thread compatibility, alignment, sealing, and tightening; do not simply over-tighten.
- Damage or deformation: remove from service and replace the affected component.

7. Safety

Never install, adjust, clean, or dismantle the assembly while the system is running or pressurized. Use appropriate lifting and handling practices where required. Follow the pump manufacturer's and site safety procedures.

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