

INSTALLATION & OPERATION GUIDE

Please the installation guide before use

1. Product Overview

This common guide covers compatible cast iron pipe adaptors used to connect column pipe assemblies with suitable delivery-side components in pump installations.

2. Before Installation

- Confirm adapter size and thread compatibility with all mating components.
- Inspect the adapter and threads for damage, cracks, or deformation.
- Clean mating threads and sealing surfaces.
- Prepare a suitable thread sealant compatible with the installation.
- Please ensure that the lifting/support arrangement is safe before handling the column assembly.

3. Installation Procedure

1. Align the adaptor with the mating component without forcing the threads.
2. Apply suitable thread sealant where required.
3. Start the threaded connection by hand to prevent cross-threading.
4. Tighten carefully with suitable tools; do not over-tighten.
5. Support the column pipe and connected assembly so excessive bending or side loading is not transferred to the adaptor.
6. Verify that the assembly is correctly aligned and adequately supported before commissioning.

4. Commissioning

Inspect the completed connection before operation. Start the system gradually and check for leakage, movement, abnormal vibration, or other signs of improper assembly. If you observe a problem, safely stop the system and correct the installation before continuing operation.

5. Maintenance

During scheduled pump servicing, inspect the adapter, threads, sealing material, and adjacent components. Look for damage, deformation, excessive wear, or thread deterioration. Replace components that are no longer suitable for service.

6. Troubleshooting

Leakage at threaded joint : isolate the system, inspect compatibility, alignment, threads, and sealing material, then reassemble correctly. Do not compensate for leakage by excessive tightening.

Thread damage or cross-threading : stop assembly and inspect both mating components. Replace damaged parts as necessary.

Movement or abnormal vibration : stop the system safely and inspect alignment, support, and the complete installation.

7. Safety

Never install, adjust, or dismantle the adaptor or connected piping while the system is running or pressurized. Use appropriate lifting equipment and safe handling procedures for heavy column assemblies. Follow the pump manufacturer's and site safety procedures.

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