

January 2022

Spence™ Uniflex Pipe Coupling Assembly



WARNING

CALIFORNIA PROPOSITION 65

This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Introduction

This installation sheet covers the installation of the Uniflex Coupling.

Product Description

The Uniflex Coupling is a modified forged steel or stainless steel pipe union utilizing a spiral wound gasket to provide a leak tight joint. Use of the Uniflex in all regulator and trap stations through 2 in. / 50.8 mm to simplify future change outs. The Uniflex Coupling is a straight through design that consists of a spiral wound gasket, an inlet housing, an outlet housing and the housing nut, see Figure 1.

Specifications

Available Models

- SUA-T:** Threaded Carbon Steel
- SUA-SW:** Socketweld Carbon Steel
- SUASS-T:** Threaded Stainless Steel
- SUASS-SW:** Socketweld Stainless Steel

Maximum Temperature

850°F / 454°C

Maximum Pressure

3000 psig / 207 bar

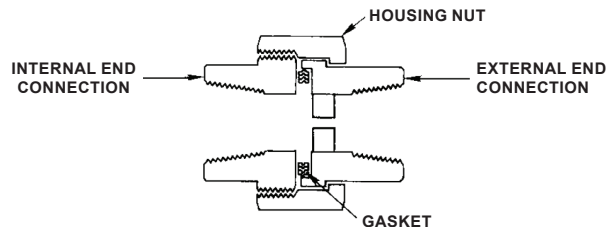


Figure 1. Type SUA Uniflex Union Assembly

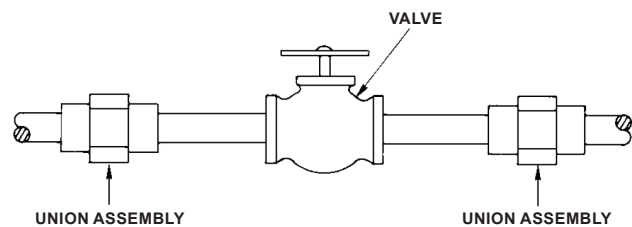


Figure 2. Typical Uniflex Union Assembly Installation

Installation



WARNING

Personal injury, property damage, equipment damage or leakage due to escaping steam or bursting of pressure containing parts may result if this equipment is over pressured or is installed where service conditions could exceed the limits given in the specifications or where conditions exceed any ratings of the adjacent piping or piping connections. To avoid such injury or damage, provide pressure-relieving or pressure-limiting devices (as required by the appropriate code, regulation or standard) to prevent service conditions from exceeding those limits.

Uniflex Coupling

Threaded Union Installation

The installation procedure for the Uniflex Coupling is similar to the installation procedure for any standard pipe union, with the following exceptions:

1. Care must be taken in positioning the spiral-wound gasket without a retainer.
2. Apply a thin film of silicone grease or thread lubricant in the groove of the inlet housing before inserting the gasket. Gaskets with a retainer do not require this step.
3. Apply thread lubricant to the external threads of the union to have proper sealing force.
4. Properly tighten the union to ensure leak-proof seal.
5. Retighten the union after it reaches full temperature.

Socket Weld Unions Installation

Whenever welding is performed adjacent to the Uniflex Couplings, the following steps must be taken to avoid destruction of the gasket by heat and/or arcing of the Union surfaces.

1. Remove gasket from the Uniflex Coupling.
2. Wrench-tighten the Uniflex Coupling after gasket has been removed.
3. Place grounding clamp as close as possible to the point of the weld.
4. Allow the Uniflex Coupling to cool before installing the gasket.
5. Always use new gasket when the Uniflex Coupling is disassembled.

Replacement Parts

Type SUG or SUGR (with retainer) replacement parts kit are available from the factory. Type SUG kit includes (10) Uniflex replacement gaskets. Type SUGR kit includes (10) Uniflex replacement gaskets and (10) retaining devices.

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