

UNISEAL STAINLESS STEEL

PIPE COUPLINGS

UP TO 3,000 LB.



INTRODUCTION

Stainless Steel ground-joint-pipe unions have been used for years in virtually every type of industry. The majority if ground-joint-pipe unions consist of a metal to metal seal. During installation, this type of seal is subject to scoring damage on the lapped seats causing leakage which requires the entire union to be replaced. Also, during normal operation, the piping system vibration, pressure surges and flexing movement of the union cause the metal to metal seals to wear and eventually cause leakage problems. This results in dangerous leaks of product, replacement costs, and excessive downtime.



UNISEAL PIPE COUPLING

The Uniseal Pipe Coupling (WU) has successfully solved frequent leakage, intensive maintenance and stocking difficulties associated with ground-joint-pipe unions.

The WU is a modified stainless steel pipe union which utilizes a spiral-wound gasket to provide a leak-tight joint. This design, similar in principle to flange joints, has been proven in the field for many years. Because the joint seal is formed by the replaceable gasket (not a ground joint finish), failures caused by poor mating surfaces are eliminated. Components may be stocked and replaced individually because mated parts are not required for sealing.



FEATURES

No Losses, No Leaks

 No loss of expensive cryogenic liquids, cold gas vapors or process fluid. A spiral-wound gasket ensures a leak-tight seal.

Lower Maintenance / Labor Costs

- Replacement of the union housing is eliminated. Only a change of gasket is required when the Uniseal Coupling is disassembled.
- No need to spring the pipe during make-up or disassembly.
- It is less costly to make and break than flanges.

Lower Inventory Costs

- Only a few Uniseal Pipe Couplings and gasket kits in each size are required to back up installations.
- One Uniseal satisfies all pressure series of flanges in pipe sizes 1/2" to 2".

Ease of Installation

- The gasket is held firmly in place with a patented retainer.
- There is no danger of damaging the seal during installation as it is fully protected from over-torquing.

Welded Piping Systems

- With the gasket removed while welding the coupling into the piping, the danger of damaging the seal is eliminated.
- Costly removal of sections of pipe to replace leaky unions is eliminated.

Component Interchangeability

- All components of the Uniseal Couplings, in each size class, are fully interchangeable.
- End connections can be socket weld, threaded, or a combination of both.

PIPE COUPLINGS



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