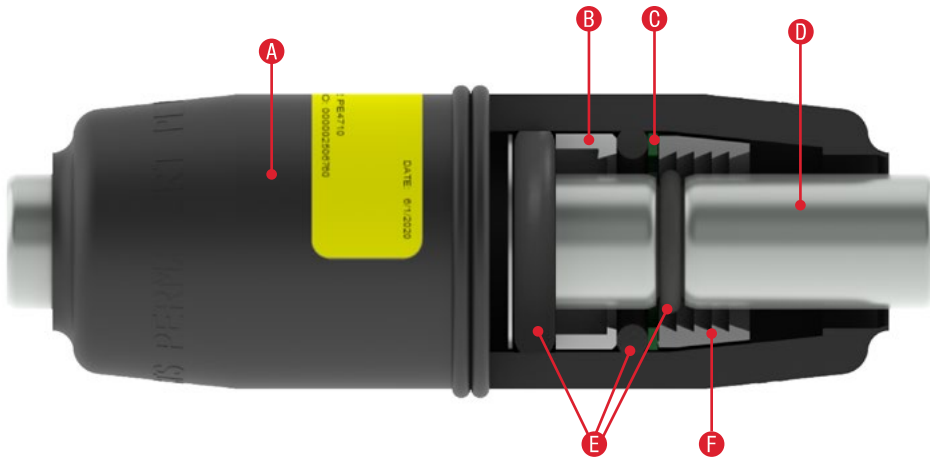


PERFECTION PERMASERT™ 2.0 GAS COUPLING





- A** A Permasert 2.0 Coupling: Molded from PE4710 resin. Meets or exceeds US DOT Part 192; ASTM D2513, Category 1; ASTM F1924; NFPA 58; CSA 137.4. IAPMO/UPC listed.
- B** Spacer Retainer Ring: Centers pipe and provides a redundant activation mechanism for the collet.
- C** Thrust Washer: Provides even distribution of force on the collet.
- D** Stiffener: Zinc-plated steel stiffener guarantees proper alignment and adds support for full restraint.
- E** Seals: BUNA-N (Nitrile) elastomers provide a redundant sealing system.
- F** Collet: Tapered gripping collet prevents pipe pull-out.

INSTALLATION PROCEDURE

Note: This quick-install image guide is for reference only. Permasert 2.0 couplings require training on the complete installation procedure before installing any Permasert 2.0 product.



1. Cut the tubing so that the end is square.



2. Wipe the tubing with a dry, clean cloth.
3. Inspect the tubing for surface defects.



4. Insert tube and rotate in chamfer tool until tube bottoms out.



5. Mark the stab depth.



6. Stab tubing into the coupling until it bottoms out.

7. Pressure test the finished joint according to your company's standard operating procedure

SPECIFICATIONS

COUPLING COMPONENTS

Body: Gas Grade Polyethylene (PE4710)
Collet: Acetal (POM)
Thrust Washer: Polyethylene (PE)
Seals: BUNA-N (Nitrile)
Spacer Retainer Ring: Acetal (POM)
Stiffener: Zinc-Plated Carbon Steel

- 670 psi (4.6 MPa) Hoop Stress
- 176°F (80°C)
- Pass
Quick Burst: ASTM D1599
- Pass

TESTING

Pull-Out Resistance: ASTM D2513 Category 1

- 0.2 ipm
- 20 ipm
- Full Seal + Full Restraint, PE Yields

Hydrostatic: ASTM D1598

PRESSURE RATINGS

Couplings are designed to meet or exceed the maximum allowable operating pressure (MAOP) requirements of the piping system: 125 psig MAOP, or the rating of the installed tubing.

SIZES

½ in. CTS through 2 in. IPS

For more information

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