Pop-A-Plug® P2
Heat Exchanger Tube Plugging System
Proven Performance at Supercritical Pressures up to 7000 PsiG (483 BarG)

The Pop-A-Plug P2 Heat Exchanger Tube Plugging System is the only mechanical tube plug that features both external and patented internally serrated rings designed to maintain a leak-tight seal under extreme thermal and pressure cycling. Pop-A-Plug P2 Tube Plugging System reduces downtime, eliminates welding and explosives, and will not damage your tubes, tubejoints or tubesheet.

Simple Installation – Prepare and size tubes using the brush and Go/No-Go gage supplied with kit, and install plug with hydraulic ram using shop air. As the ram pulls the tapered pin through the ring, it expands into the tube, creating a leak tight seal. When the proper force is reached, the breakaway “pops”. This controlled force provides a consistent, repeatable installation each time by any installer, while protecting surrounding tubes and ligaments.

- **Safe** - Pressure rated up to 7000 PsiG (483 BarG)
- **Reliable** - Provides helium leak tight seal to 1x10^-10 cc/sec
- Simple hydraulic installation significantly reduces turnaround duration and plant down time
- Lowest life cycle cost compared to alternative plugging methods
- Permanent solution, engineered for optimal performance throughout the life cycle of the heat exchanger
- Controlled installation force for consistent repeatable results
- Standard Sizes - 0.400 - 1.460 in (10.16 - 37.08 mm)
- Larger sizes and/or special materials available upon request
- Eliminates need for welding or explosives
- 24/7 Emergency manufacturing service available
- High Expansion Range - Each plug covers .020 in (.51 mm)
- Meets ASME PCC-2 Article 3.12 requirements
- Compliant with several QA Systems, including; ANSI N45.2, 10 CFR 50 App. B, and 10 CFR 21
Ordering Information

When ordering please supply the following information:

- Tube O.D. and wall thickness or measured tube I.D.
- Tube material
- Tubesheet material is required if plug will be installed directly into tubesheet
- Maximum pressure and temperature
- Type of tube to tubesheet joint (rolled, welded, etc.)
- Condition of tubes and age of heat exchanger

Standard Materials

Brass, Carbon Steel, 316 Stainless Steel, 304 Stainless Steel, 4142 Alloy, 70/30 Cu/Ni, 90/10 Cu/Ni, Monel, Titanium, Duplex 2205, Chromoly Grade 11, Chromoly Grade 22.

Other materials and grades available, please contact EST Group for details

Specifications subject to change without notice. See DC4002 for more information.