



Pop-A-Plug® P2 Tube Plugs

Technical Brief

Key Features

- Enduring performance comparable to explosive or welded tube plugs at a fraction of the cost faster installation times
- Reduced manpower needed for plugging operations. Pop-A-Plug requires only 1-2 installers, freeing up your welders for more important work
- Proven long-term performer in combined cycle, coal and nuclear power stations
- Design that features patented Internally Serrated Sealing Rings to maintain a helium leak-tight (1×10^{-10} cc/sec) seal under extreme thermal and pressure cycling
- Installation does not damage tube end, tubesheet or tube joints like hammered in, tapered plugs
- Eliminates welding and the need for time consuming pre-heat and post-weld stress relieving
- Meets ASME PCC-2 and Electric Power Research Institute (EPRI) permanent tube plug selection criteria

Technical Documents

- [DC4010-Pop-A-Plug P2 Installation Procedures](#)
- [DC4000-Pop-A-Plug P2 Near End Plugging Procedures](#)

The Pop-A-Plug P2 heat exchanger tube plug is the most reliable, cost effective tube plugging solution available. Unlike hammered in, tapered plugs that need to be replaced every 5-7 years, once Pop-A-Plugs are installed they will remain leak tight throughout your heat exchanger's life cycle. In service for 20 years, the P2 is a proven long-term performer in fossil and nuclear power station heat exchanger units operating at pressures up to 7000 PsiG (483 BarG).

The Pop-A-Plug P2 tube plugging system is the only plug that features patented Internally Serrated Sealing Rings designed to maintain a helium leak-tight seal under extreme thermal and pressure cycling throughout the heat exchanger's life cycle.

The Result: Pop-A-Plugs have the lowest lifecycle cost of any tube plugging system. As a permanent tube plugging solution, Pop-A-Plug's "once and done" installation process maximizes plant uptime. Just Set 'em and Forget 'em.

Competitive Advantage

- Quick installation – plug installation time less than 15 seconds, maximizing plant uptime.
- Permanent and Reliable - engineered for optimal performance throughout the heat exchanger's life cycle.
- Metal to metal sealing eliminates plug degradation concerns due to thermal expansion and corrosion resulting from galvanic interaction between the plug and tube.
- Safer and more cost effective than welding tapered pins or explosive plugs.
- Controlled, repeatable installation minimizes installer fatigue and eliminates the need to enter confined spaces during plug installation.

Applications

- Feedwater Heaters
- Shell and Tube Heat Exchangers
- Fin-Fan Air Cooled Heat Exchangers
- Reboilers



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