



Pop-A-Plug® Air Cooled HX Tube Plugging System

Repair Leaking ACHE Tubes without Damaging Plug Sheets

Competitive Advantages

- Provides an ASME PCC-2 compliant plugging solution for shell & tube heat exchangers
- Lowest installed cost of any tube plugging method
- Quick Installation – typical installation time takes less than 15 seconds, maximizing plant uptime
- Permanent & Reliable – engineered for optimal performance for the life cycle of the asset
- Metal to metal sealing eliminates plug degradation concerns due to thermal expansion and corrosion resulting from galvanic interaction
- Eliminates welding in tapered pins through header boxes
- Controlled & repeatable installation minimizes installer fatigue

Technical Documents

- [DC4052 - Pop-A-Plug® Air Cooled Heat Exchanger Installation Procedure \(Fin Fan\)](#)

Resistant Curtiss-Wright's Pop-A-Plug Heat Exchanger Tube Plugging System has been further developed for use in the Air Cooled Heat Exchanger (ACHE) or Fin-Fan® market. ACHE units require extended tools as pneumatic tube testing and mechanical tube plugging needs to be done "at depth" through the narrow entry of the plug sheet in the deeper tube sheet.

Our approach of supplying Pop-A-Plug Tube Plugs and related tooling to perform tube testing and plugging as a standard package which allows the technicians to test and plug tubes very quickly without any need for hammering or welding.

Unlike hammered in (welded) tapered plugs which are troublesome to weld and require weld permits the tube testing and plugging become a simple and controlled operation.

Once Pop-A-Plugs are installed they will remain leak tight throughout your heat exchanger's life cycle. In service for 20 years, the Pop-A-Plug P2 (High Pressures up to 7000 PsiG (483 BarG) and Pop-A-Plug CPI/PERMA (Medium Pressures up to 1000 PsiG (69 BarG) are a proven long-term performer in Air Cooled Heat Exchangers operating at pressures up to 7000 PsiG (483 BarG).



North, Central & South America

2701 Township Line Rd
Hatfield, PA 19440

T: (+1) 215.721.1100 | (+1) 1.800.355.7044
E: est-info@curtisswright.com

Europe, Middle East, Africa (EMEA)

Hoorn 312D, 2404 HL Alphen aan den Rijn
The Netherlands

T: (+31) 172.418841
E: est-emea@curtisswright.com

Asia

Singapore
T: (+65) 3158.5052
E: est-asia@curtisswright.com

Korea

+82.10.9279.7132
est-asia@curtisswright.com

valves.curtisswright.com/EST

Pop-A-Plug® Air Cooled HX Tube Plugging System Tech Brief

©2026 Curtiss-Wright - All rights reserved. Specifications are subject to change without notice. All trademarks are property of their respective owners. | MK0014_06.2026

