

Pop-A-Plug® CPI/Perma Medium Pressure Tube Plugs

Solution Overview

The CPI/Perma Pop-A-Plug is the premier engineered mechanical tube plug, sealing off leaking/high wall loss tubes in heat exchangers, condensers, feed water heaters, boilers, and other heat transfer units. Preferred by refineries, chemical plants, fertilizer plants, nuclear and conventional power plants around the world.

Features

- 1,000 PsiG (69 BarG) rating with 3x safety factor
- Three points of sealing contact
- Manufactured in over 40 different materials

Advantages

- Breakaway design prevents damage to tubes and tube joints
- Controlled installation, no damage to tubesheet
- Fast and efficient installation reduces unit downtime while increasing operating efficiency
- Does not require highly trained sub-contractors or techs
- Same installation force, procedure, safety, every time
- Meets ASME PCC-2 recommendations and EPRI criteria
- Lowest Lifecycle cost compared to alternative methods
- Maintains helium leak-tight seal of 1×10^{-6} cc/sec

Pop-A-Plug® Sizes

- **CPI/Perma:** V-471 to V-1944 (0.472 – 2.067", 11.99 – 52.5mm)
- **Expansion Range:** up to 0.060" (1.5mm)

Common Questions

Q: What materials does it come in?

A: CPI/Perma plugs are available in over 40 different materials!

Q: How many plugs come in a kit?

A: 10 plugs per kit, also comes with Go/No-Go gage, operating instructions, and a test certificate.

Q: Are they reusable?

A: No, but they are removable. The CPI/Perma Pop-A-Plug is a permanent solution but can be removed with the use of the Pop-A-Plug Removal Tool (PRT) if a customer wants to reclaim a tube later.

Q: Will the Pop-A-Plug damage the tube or tube sheet that it's plugging?

A: No, the Pop-A-Plug can be installed and removed without damaging your tubes or tubesheet joints.

Cross-sell / Up-sell Opportunity

- P2 Pop-A-Plug for higher pressure requirements
- Pop-A-Plug® Tube Stabilizers
- G-160 Tube Testers
- Installation tools:
 - Smart Ram 640T
 - PAP6600
 - PAP123RK
 - Close Quarter Ram

