



GLOBAL HEADQUARTERS

TUBE-MAC® PIPING TECHNOLOGIES LTD.

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NON-WELDED CONNECTION

Pyplok®

Reliable | Leak Free | Tamper Proof

It's the weldless, threadless way to join pipe/tube.

Leak-free performance, reduced installed cost and minimized downtime.

The Pyplok® connecting system is sparkless and has a successful history of pipe and tube fabrication in the most demanding environments and systems, where fire safety is essential.

Using a portable, hand-held installation tool, fittings are cold worked and permanently compressed onto piping. This process deforms the pipe diameter a controlled amount, thus forming a permanent leaktight seal.

Use it anywhere you'd weld... but wouldn't want to.

Now you can have the benefits of a welded joint, but without the hazards of hot work, using the Pyplok® coupling. It's not only a permanent system, it's also sparkless. It goes on cold. Which means all of the risks and requirements associated with "hot work" are avoided.

And the permanent characteristics of the Pyplok® system make it ideal in place of welded flanges and threaded fittings which are prone to leaks due to flexure or vibration.

No hot work permits, no x-rays, no gas freeing, no system flushing or purging, no attached slag or contaminants enter the piping system. And with easy installation method, there is a substantial reduction of system downtime for repairs.

The Pyplok® system

The advantages of Pyplok's sealing characteristics.

Pyplok® fittings incorporates unique sealing capabilities. It utilizes four non-metallic o-rings, which make Pyplok® fittings adaptable to normal pipe and tube tolerances and surface conditions.

The outer o-ring seals prevent outside contaminants from entering the system.

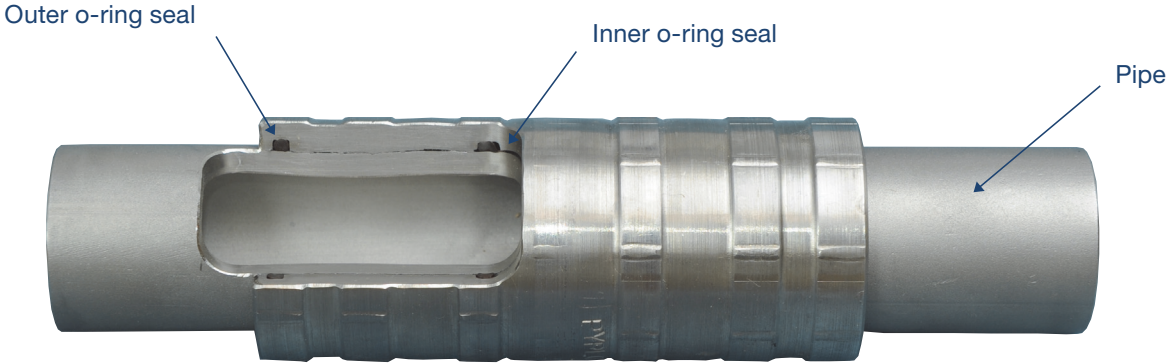
The Pyplok® system is extremely versatile: Ideal for gaseous systems as well as fluids. Also available in various shapes: tees, elbows, 45° and 90°, reducers and custom ends.

How Pyplok® is installed.

The unique characteristics of the Pyplok® fitting system allows for installation on piping/tubing with normal tolerances and surface conditions.

Tooling is positioned around the fitting assembly and is pressurized using a manual, or electric pump. The tool converts linear force into radial force, compressing, or swaging, the fitting and piping material together.

The resulting connection results in joint tensile strength greater than the minimum pipe yield. A simple inspection gage verifies proper diameter reduction.



Pyplok® fittings can be used on Stainless Steel, Duplex, Super Duplex, Carbon Steel and Copper Nickel pipe or tube.

Fitting specifications

Fitting material	316/316L Stainless Steel, 2205 Duplex, 2507 Super Duplex, A105/A350-LF2 Carbon Steel, CuNi 70/30 & CuNi 90/10
Pressure range	Up to 9300 PSI (640 Bar) with 3:1 safety factor
Fitting size range	1/4" to 4" NPS pipe, 1/4" to 2" OD tube and 6mm to 60mm tube
Seal material/operating Temperature	• VITON -15°F to 400°F (-26°C to 205°C) • EPDM (for steam applications) -60°F to 400°F (-51°C to 205°C)
Approvals and testing	• ABS, DNV, BV, LR, CCS, RMRS, CRN, USCG and NAVSEA • API 6FB and ISO 15540/19921 fire tested • Meets ASME B31.1, B31.3, B31.4 & B31.8 requirements • MIL-S-901D shock tested