

Pyplok

Carbon Steel – Stainless Steel – Copper Nickel

DP40 SERIES



“JOIN PIPE WITHOUT WELDING”

The Fitting is Swaged.

Now you can have the benefits of a welded joint, but without the hazards of hot work, using the Tube-Mac PYPLOK® DM and DP40 Series. It's not only a permanent system, it goes on cold. This means all of the risks and requirements associated “with hot work” are avoided.

The permanent characteristics of Tube-Mac PYPLOK® make it an ideal alternative to flanges and threaded fittings which may leak due to flexing or vibration.

No hot work permits, no gas freeing, no chemical flushing or purging, and no slag or contaminants entering the piping system. With an easy installation method, there is a substantial reduction of system downtime for repairs. PYPLOK® cost study savings in Australia have shown that a typical site hot work installation can be reduced from 12 man hours to less than 2 man hours.

The Tube-Mac PYPLOK® joint incorporates unique sealing capabilities. It utilizes a system of three seals: a Metal-to-Metal, seal a Viton o-ring seal and an outer Environmental o-ring seal, which make Tube-Mac PYPLOK® adaptable to varying pipe tolerances and surface conditions.

The outer Environmental o-ring seals prevent crevice corrosion and outside contaminants from entering the system.

The Tube-Mac PYPLOK® DM and DP40 series are extremely versatile. Ideal for gaseous systems as well as a viable alternative to threaded joints and flanges. PYPLOK® already meets the proposed EPA maximum allowable fugitive emissions requirement.

The PYPLOK® fitting system, first deployed as a means of joining U.S. Navy shipboard piping in 1979, is approved for use by U.S. Navy Sea Systems Command, the U.S. Coast Guard and the American Bureau of Shipping.

PYPLOK® fittings have been tested to and exceed the performance requirements of ASME B31.1 and B31.3 for use in power plants, refineries, and petrochemical processing plants. In addition, DP40 Pyplok® has been successfully tested and shown to meet the fore test criteria of API 607, 4th edition.

The Tube-Mac PYPLOK® swage fitting system is an innovative method to connect shipboard piping at a reduced installed cost. The U.S. Navy and other marine agencies worldwide approve it for use.

How PYPLOK® is installed.

The unique characteristics of the Tube-Mac PYPLOK® system allows for installation on piping/tubing with varying tolerances and surface conditions. Tooling is positioned around the fitting assembly and is pressured using a manual, air 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 gauge verifies proper diameter reduction.

DM MARINE SERIES (NAVY)



PYPLOK® TOOLING

