

## **Technical Procedure #1**

### **Flushing Procedure for Environ Double-Walled Piping**

According to Environ Products, Inc., the interstice of their double-walled pipe is not designed for continuous contact with petroleum. Therefore, once petroleum has been in contact with the interstice, it must be removed as soon as possible.

The recommended procedure for the removal of petroleum from the interstitial space on Environ double-walled piping:

1. Install the standard transition boot (STB) on the piping so that one end of the boot is clamped over the exterior of the double-walled piping and the other end is clamped over the metal ferrule on the pipe coupling. Install the boot so that the outlet port is facing down. Do this at each end of each piping run.
2. Install test tubes in each outlet port.
3. The petroleum liquid must be removed from the interstice. Purge the line with an inert gas. The gas should be introduced into test tube at the higher (gradient) end of the piping. *Make sure to electrically bond the entire system to protect from static discharge.* The other end (lower) should have the test tube inserted into a petroleum rated container to catch the petroleum that is expended from the interstice. Environ recommends purging each line for approximately 10 minutes, or until no more petroleum is expended from the lower test tube. *At no point should the pressure in the interstice reach over 10 psi. An adjustable relief valve should be temporarily installed to prevent the over pressurization of the interstice.*
4. The interstice should then be rinsed with a mild detergent solution. This rinsing solution should be pumped from the higher end of the piping to the lower end. The lower end should have the test tube inserted into a petroleum-rated waste container to catch the petroleum solution that is expended from the interstice. Environ recommends purging each line with the detergent solution for approximately 10 minutes, or until the solution entering the waste container contains no petroleum.
5. The waste solution containing petroleum should be disposed of properly. (Contact the department if you have questions on the disposal of petroleum contaminated water.)

Once this procedure has been completed, the piping is operational. This procedure is mandatory according to Environ for continued warranty protection.

This method has been approved for use with Total Containment piping by Total Containment.