

Isolation Adapter

for electrical isolation of flex connectors at the shear valve in Dualoy 3000/L buried fiberglass piping systems

Introduction

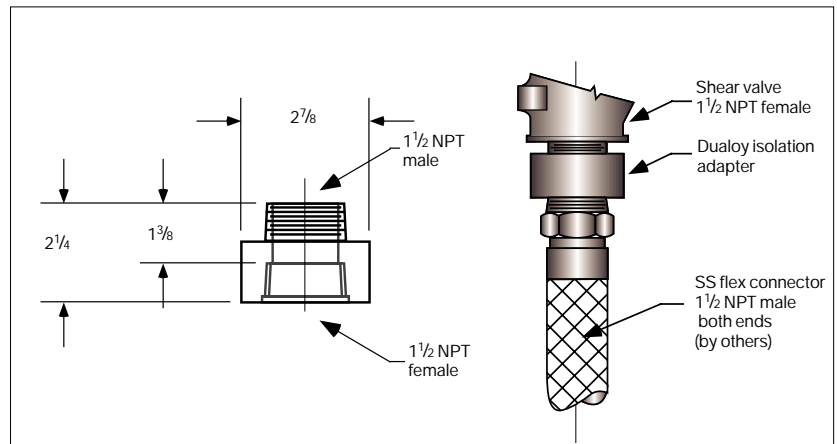
Isolating flex connectors at the shear valve

When flex connectors are directly buried at the dispenser, regulations frequently require that they be cathodically protected and provisions be made to avoid stray current electrolysis and corrosion. In such cases the flex connector must be electrically isolated from the shear valve and from other metallic components in the system. Experience has shown that nylon isolation adapters do not perform well inasmuch as their poor mechanical strength eventually results in creep and subsequent leakage.

Description

Ameron manufactures a 1½ NPTF x 1½ NPTM fiberglass-reinforced isolation adapter which is mounted between the flex connector and the shear valve. Follow the same general installation procedures as with other NPT threaded fittings. These procedures are detailed in Ameron publication Bulletin 7501 (FP104). After applying the sealing compound, hand tighten the adapter. Final make-up requires 1½ to 2 additional turns.

The Ameron 1½ NPTF x 1½ NPTM fiberglass-reinforced isolation adapter is mounted between the flex connector and the shear valve.



Conversions

1 psi = 6895 Pa = 0.07031 kg/cm²
1 bar = 10⁵ Pa = 14.5 psi = 1.02 kg/cm²
1 MPa = 10⁶ Pa = 145 psi = 10.2 kg/cm²
1 GPa = 10⁹ Pa = 145,000 psi = 10,200 kg/cm²
1 in = 25.4 mm
1 ft = 0.3048 m
1 lb·in = 0.113 N·m
1 in⁴ = 4.162 x 10⁻⁷m⁴
°C = $\frac{5}{9}$ (°F - 32)

Important notice

This literature and the information and recommendations it contains are based on data reasonably believed to be reliable. However, such factors as variations in environment, application or installation, changes in operating procedures, or extrapolation of data may cause different results. Ameron makes no representation or warranty, express or implied, including warranties of merchantability or fitness for purpose, as to the accuracy, adequacy or completeness of the recommendations or information contained herein. Ameron assumes no liability whatsoever in connection with this literature or the information or recommendations it contains. Product specifications are subject to change.

Written comments regarding this document are invited. Please write Engineering Manager, Ameron Fiberglass Pipe Division.



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