



Chilled Water Fittings



DESCRIPTION

Chilled water fittings (CWF) consist of one and two piece pre-molded PVC fittings used with fiberglass inserts. These fittings have a closed-cell foam gasket along the collars, throat and seams that improves sealing without requiring the manual application of tape or mastic after installation. CWFs come in wide a variety of sizes, shapes and functions including elbows, tees and couplings.

APPLICATION

Chilled Water Fittings are intended to be used on low temperature piping systems at the fitting locations. The gasket on these fittings creates an effective moisture barrier upon installation, negating the need to seal the collars, throat and seams with tape or mastic after installation. Simply impale the fittings with tacks through the gasket to effectively seal the fitting. The self-healing nature of the closed-cell foam permits the use of tacks without reducing the integrity of the seal.

FEATURES AND BENEFITS

25/50 rating. The PVC fittings and gasket material meet the 25/50 fire/smoke rating.

Clean Appearance. Chilled Water Fittings do not need to be sealed with tape or mastic, resulting in a cleaner looking finished product. An easily visible external logo on the fitting allows customers, owners and engineers to easily confirm that this fitting has been installed appropriately on low temperature piping.

Low Cost, High-Efficiency Installation. There is a significant cost & time savings in the installation of Chilled Water Fittings because they don't need to be sealed after installation. Eliminating the need for tape or mastic can result in up to a 40% increase in low temperature pipe insulation production.

Fast and Easy. At fitting locations, wrap the fiberglass insert around the pipe fitting and apply the Chilled Water Fitting over the insert. Impale the fitting with tacks through the gasket to complete the installation.

Longer Lasting, More Effective Moisture Barrier. Independent lab test results prove that our gasket performs significantly better as a moisture barrier than painted on mastic. PVC tape will break down while CWF gasket will be held in place, by tacks which are designed to stay fixed in the PVC maintaining the integrity of the gasket indefinitely.

SPECIFICATIONS

ASTM D1056-07.....2C1
ASTM D1056 Suffix's..... F1, M

FLAMMABILITY SPECIFICATIONS

FMVSS-302.....PASS
FAR 25.853 F Part 1 (a)(1)(ii)PASS
UL94 V-O, 5VA.....LISTED
ASTME84.....25/50

OPERATING SPECIFICATIONS

Service Temperature -40°F to 200°F
Thermal Conductivity .25 Btu-in/hr-Ft2-°F

CWF VAPOR BARRIER PERFORMANCE vs TRADITIONAL METHOD

