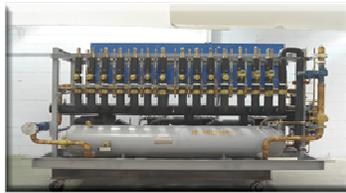


Hill PHOENIX® Going Green with Flaretite

Vito Accetta

Hill PHOENIX, a leading manufacturer of commercial refrigeration equipment, recently strengthened its commitment to its industry's leading Zero Leak Initiative. Hill PHOENIX is proud to be a founding partner of GreenChill; and as such, has prioritized its Zero Leak Initiative to align with GreenChill goals. The GreenChill Advanced Refrigeration Partnership is an EPA cooperative alliance with the supermarket industry to promote advanced technologies, strategies, and practices that reduce refrigerant charges, emissions of ozone-depleting substances, and greenhouse gases. Two of Hill PHOENIX's partners in GreenChill are DuPont and Honeywell International which are manufacturers of refrigeration gases.

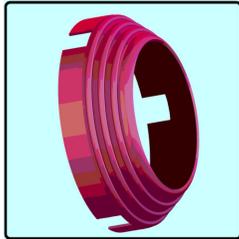


Zero
Leak Initiative

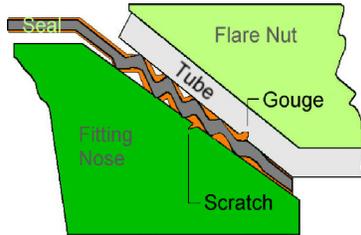


Recently, Hill PHOENIX took a significant step forward in its Zero Leak Initiative by including Flaretite Seals® in all of its flared tubing and hose connections. These connections must be “Leak-Free” to enable the system to meet its stringent requirement of 0.1 ounces per year of lost gas for the entire refrigeration system. Hill PHOENIX, recently; increased their leak detection capability by switching from helium to a non-flammable 95/5 nitrogen/hydrogen test gas mixture. The hydrogen molecule easily escapes from potential leaks, sounding an alarm, where the heavier helium molecule may not. They are now able to test and certify their systems for years of reliable “Leak-Free” service.

The Flaretite seal is a copper stamping coated with a dry-to-the-touch Loctite sealant. A typical 45-degree flare connection relies on a metal-to-metal seal which can be prone to leaking after hours of vibrations and temperature cycles. Flaretite Seals are installed by simply clipping the seal on the nose of any standard fitting and applying the appropriate torque to the fitting. Three unique tabs hold the seal on the nose during installation, preventing accidental loss from handling. The Flaretite seal's patented sealing rings are compressed during installation and maintain a compressive pre-load force on the fitting faces which does not relax after extended use. The Loctite sealant is an added barrier to prevent potential leaks, guaranteeing a permanent, yet, serviceable “Leak-free” connection.



Flaretite Seal



Cut-away section of Seal



Seal in tube assembly

Flaretite seals are installed with Torqtite® open-end adjustable torque wrenches, ensuring that each fitting is torqued to its manufacturer’s recommended torque. These wrenches allow easy access to each fitting and ensure a reliable torque for each fitting nut. They are a durable design with both tactile and audible feedback to the mechanic installing the fitting.

Fixed End Torqtite Wrench with optional ends



Flaretite is proud to support Hill PHOENIX in its continuing efforts to supply the supermarket industry with truly reliable and “Leak-Free” refrigeration equipment. Visit our website, or call Flaretite to discuss your application and to receive free samples and literature.



Hill PHOENIX Inc., a Dover Company, is based in Conyers, GA. The company designs and manufactures commercial refrigerated display cases and specialty display products, refrigeration systems, integrated power distribution systems and walk-in coolers and freezers. Hill PHOENIX Inc., 709 Sigman Road, Conyers, GA. 30013, Attention: Philip Stephenson, Sr., Procurement Engineer, Telephone: 770-285-3100, www.hillphoenix.com



Flaretite Inc., is based in Fenton, MI., and manufactures seals for 30, 37, and 45 degree Flare fittings. It also offers specialty torque wrenches which facilitate the installation of tubing and hose end applications. Flaretite Inc, 2284 Golden Pond Ct., Fenton, MI 48430 Attention: Vito Accetta, Manager, Telephone: 810-750-4140, www.flaretite.com