Extra High Performance Copper Products

GREAT LAKES COPPER

XHP COPPER-IRON TUBE & FITTINGS DATA SHEET



SYSTEM DESCRIPTION

The Streamline® XHP system consists of copper-iron alloy tube and fittings specially designed to manage the extended high pressures and broad temperature fluctuations associated with highly demanding applications such as transcritical CO2 refrigeration. This technically advanced system is a more practical alternative to steel systems due in part to familiar copper properties and the traditional joining method of brazing.

ADVANTAGES

- Sizes ranging from 3/8" – 2-5/8"
- UNS C19400 Copper-Iron Alloy (CuFe2P)
- Compatible CO2 ball valves available
- High corrosion resistance
- Magnetic identification
- Green tube caps for easy identification
- All tube capped for cleanliness
- CAD/BIM content available

OPERATING PARAMETERS

- Operating Pressure: 130 BAR / 1885 PSI Max
- Temperature Range: 120°C / 250°F Continuous
- Test Pressure: 390 BAR / 5655 PSI Min

APPROVALS & CERTIFICATIONS

- Tube is made to ASTM B1018
- UL Recognized to 130 BAR

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INSTALLATION

- Traditional brazed joining
- Serviceable by all refrigeration techs
- Avoids special resources and scheduling
- No TIG welding for installation or maintenance

APPROVED APPLICATIONS

- Commercial Refrigeration (Grocery / Food Retail)
- Industrial Refrigeration (Warehouse & Ice Rinks)
- Transport Refrigeration (Ocean & Road)
- Industrial Processing (Food & Pharma)
- Heat Pump Water Heaters and Other Equipment
- Industrial and Technical Gases (Oxygen, Nitrogen, etc.)



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