

SYSTEM DESCRIPTION

Streamline® ACR Copper Press Fittings are for use in HVAC and VRF applications. Available in sizes ranging from 1/4" to 1-1/8" in outside diameter, the fittings are designed to join ASTM B280 and ASTM B88 hard-drawn copper tube (Types ACR, K, L) from 1/4" to 1-1/8" as well as ASTM B280 and ASTM B1003 soft (annealed) copper tube up to 7/8".

ADVANTAGES

- Sizes ranging from 1/4" - 1-1/8"
- T.R.A.P Technology
 - DualSeal™ Ring Design
 - TrapZone™ Leak Barrier
 - Tri-Lock™ Press Profile
- Force 360™ Press Contour
- Packaged in economical quantities
- Clean, clear resealable poly bags
- CAD/BIM content available
- 10-year limited warranty

INSTALLATION

- All tubing must comply with the ASTM B280, ASTM B88, or ASTM B1003 standards
- For use with the Milwaukee® Streamline® ACR Press Jaws
- Jaws compatible with leading full-sized press tools on the market such as Milwaukee® M18™ Force Logic™ Press Tools

OPERATING PARAMETERS

- Continuous Operating Pressure: 700 PSI / 48 BAR Max
- Continuous Operating Temperature:
 - 40°F / -40°C to 250°F / 121°C
- Sealing Ring Temperature Rating:
 - 40°F / -40°C to 300°F / 149°C

APPROVED APPLICATIONS

- Air Conditioning
- Heat Pump
- VRF and VRV
- Light Commercial Refrigeration
- Non-Potable Water
- Ethylene Glycol

APPROVALS AND CERTIFICATIONS

- UL 207
- UL 1963
- International Mechanical Code (IMC)
- International Residential Code (IRC)
- Uniform Mechanical Code (UMC)
- ASHRAE 15
- ASME B31.5
- CSA C22.2



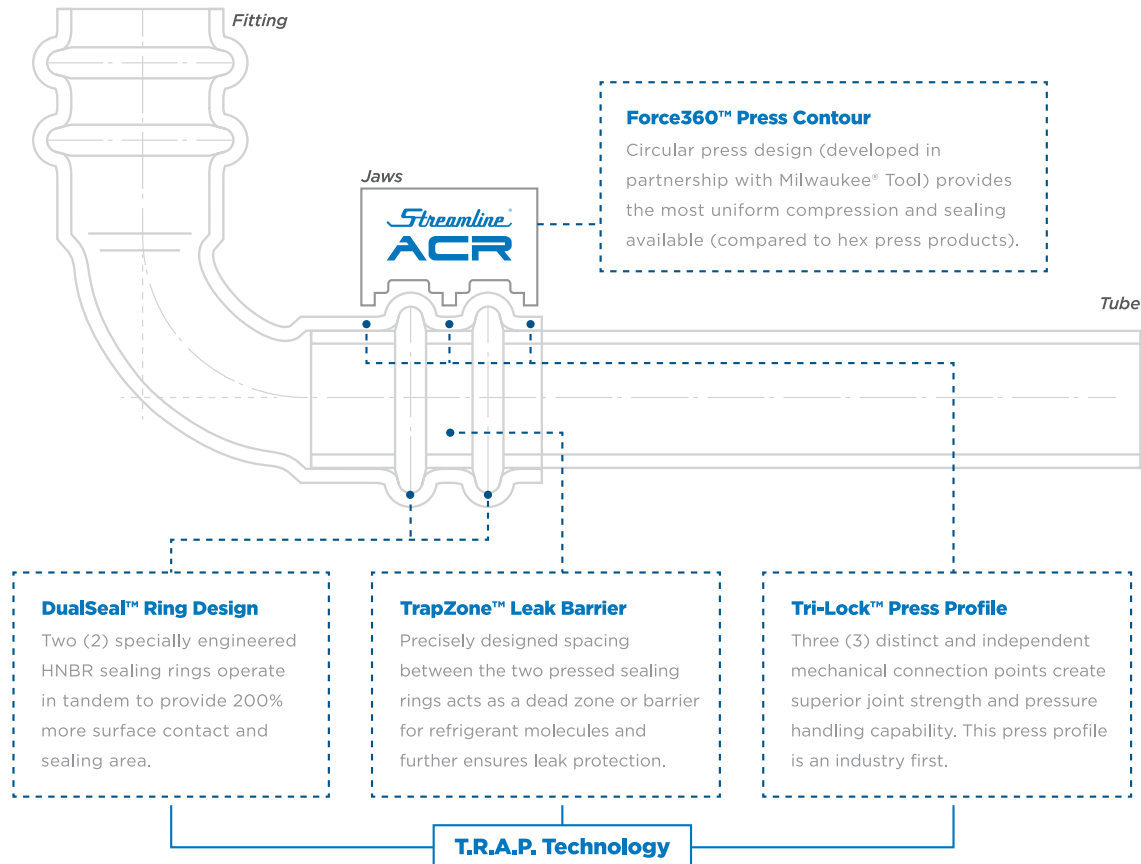
C
COPPER

PR
PRESS

H
HVAC/R

THE INNOVATION

Streamline's ACR Press Fittings feature our innovative Two Ring Advanced Press (T.R.A.P.) Technology. This industry-leading design provides superior sealing, leak protection, and joint strength by utilizing many innovative firsts in the world of flame-free joining for air conditioning and refrigeration systems.



WHY TWO SEALS?

Refrigerant gases have truly unique properties, with molecules that are a fraction of the size of water molecules. Refrigeration systems involve higher pressures, constant and significant temperature swings, compressor vibration, and various chemistries – not to mention lubricating oils. Anyone with experience in HVACR knows that refrigerants are notoriously crafty to seal and that leaks can be difficult to identify since they are often so small.

Our team knew that performance expectations had to be very different to bring flameless press joining to refrigerant-bearing applications. Modifying an existing press design based on water systems was never going to meet our stringent performance criteria. We needed to raise the bar before putting the Streamline® name on it.

After years of research and extensive testing, Two Ring Advanced Press (T.R.A.P.) Technology was developed. Our lab and field tests confirmed that other refrigerant press systems, with single elastomeric seals, have measurable leak rates that would rob systems of efficiency over time. Thus, the DualSeal™ design was developed to incorporate primary and secondary sealing mechanisms, with a critical “T.R.A.P.” zone space between the two seals. The result is an HVACR press system that is designed to provide a level of leak resistance unlike any other system available today.