

# Streamline®

## ACR COPPER PRESS FITTINGS



**MUELLER  
STREAMLINE CO.**

**C**  
COPPER

**PR**  
PRESS

**H**  
HVAC/R



**THE NAME**  
**THE INNOVATION**  
**THE PERFORMANCE**  

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**THE RIGHT COMBINATION**  
**FOR ACR PRESS SUCCESS**



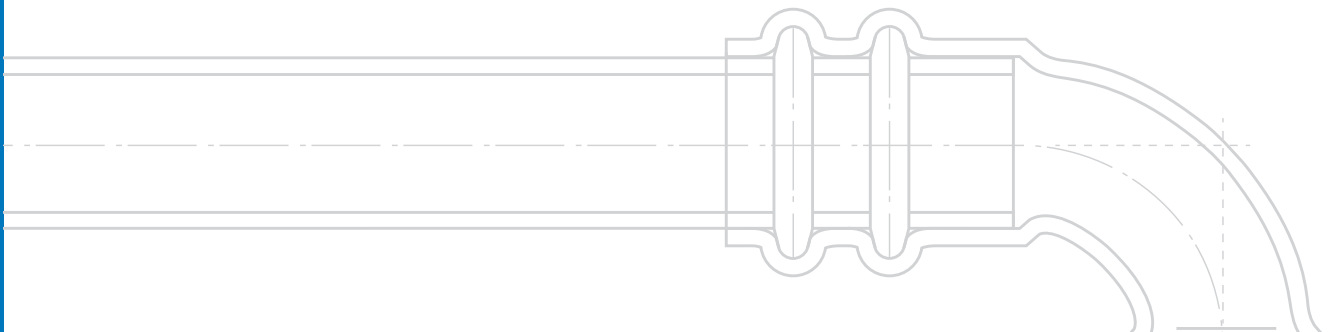


## THE NAME

Streamline® is the best known, most trusted name in the industry—with a nearly 100-year history of providing the best-in-class products you need to work more efficiently and productively. The ACR Press System is the latest example of the industry-leading innovation and commitment to customer needs that make Streamline® the standard for excellence.

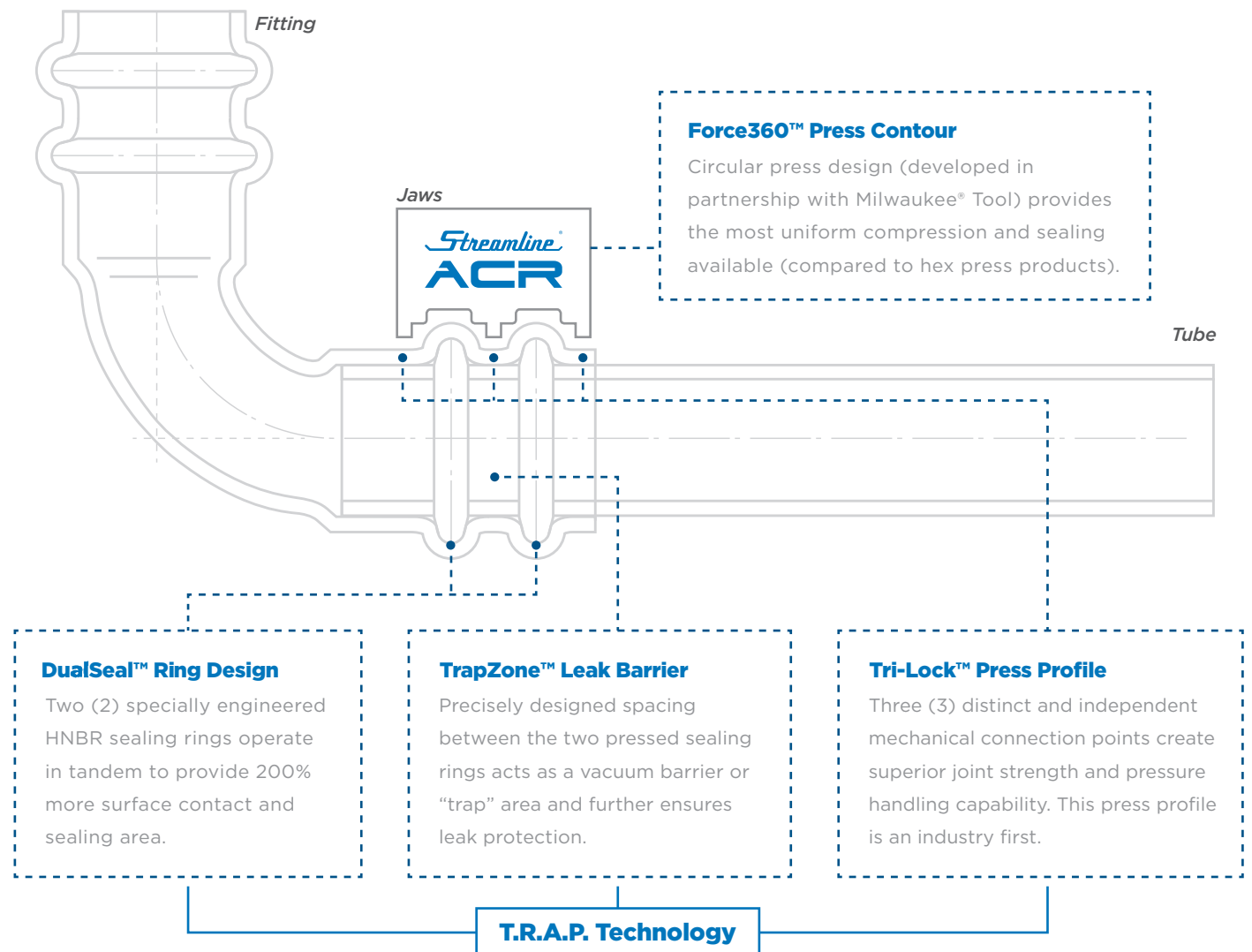
### Quick Facts

- Broad offering of fitting types for today's HVACR applications
- Available in diameters ranging from 1/4" to 1-1/8" OD
- Industry's only press fitting with T.R.A.P. Technology, featuring DualSeal™ Ring Design
- Packaged in clean, clear, resealable bags
- Offered in convenient pack quantities
- Similar patterns and lay lengths as traditional braze copper fittings
- Compatible with R410A and other commonly used refrigerant gases and oils
- Proprietary jaws readily available from Milwaukee® Tool
- Jaws compatible with leading full-size press tools on the market
- 10 Year Limited Warranty



# 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.

# THE PERFORMANCE



Streamline® ACR Press Fittings – the result of the first joining technology designed with dual independent seals for reliable operation with refrigerant gases – have been carefully engineered to meet the high demands of air conditioning and refrigeration systems. As you would expect from the Streamline® brand, every fitting has been designed to meet stringent operating performance parameters and tested to the highest quality assurance standards.

## Quality Assurance Testing

- Accelerated Life in R-410A Heat Pump System
- ISO Helium Leak
- Tensile Pull
- UL Listed
- Hydraulic Fatigue
- Vacuum Hold
- ICC Listed
- Hydrostatic Burst Pressure
- Chemical Compatibility
- Vibration

## Operating Parameters

- Approved for use with Type ACR, L, K hard and soft copper tube
- Seal Temperature Rating: -40°F – 300°F / -40°C – 149°C
- Vacuum Pressure: 200 Microns
- Operating Pressure: 700 PSI / 48 Bar Max
- Burst Pressure: Minimum 2,100 PSI / 144 Bar
- Helium Leak Tightness:  $\leq 7.5 \times 10^{-7}$  Pa.m<sup>3</sup>/s at +20°C
- Operating Temperature: -40°F – 250°F / -40°C – 121°C

If you're looking for a flame-free HVACR joining system that delivers the highest quality and most dependable performance, the Streamline® ACR Press System is for you.

To learn more about the Streamline® ACR Press System or find a local sales representative, please call 1-800-FITTING or visit [www.muellerstreamline.com](http://www.muellerstreamline.com).



 **MUELLER  
STREAMLINE CO.**



# *Streamline*<sup>®</sup> YOUR SYSTEM

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Streamline<sup>®</sup> is the preferred and specified brand of industry professionals around the world. Manufactured to the highest quality standards and designed for years of trouble-free service, Streamline's suite of piping systems products provide the confidence that only comes when a solution is designed to work together.

- Nitrogenized<sup>®</sup> ACR Copper Tubing
- Dehydrated Refrigeration Coils
- Line Sets & Mini-Split Line Sets
- XHP<sup>™</sup> Copper-Iron Tubing
- XHP<sup>™</sup> Copper-Iron Braze Fittings
- System Protection Devices
- Copper Press Fittings
- Copper Solder/Braze Fittings
- Carbon Steel Press Fittings
- Brass Flare Fittings
- Refrigeration Valves



**MUELLER STREAMLINE CO.**

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MLT-390 • September 2021