

TECHNICAL BRIEF

The power of the 360° seal



Why purpose-built ACR engineering outperforms adapted plumbing tools

In high-pressure ACR applications, precision is everything. While standard plumbing press systems rely on hexagonal jaws designed for lower-pressure water lines, RLS stands apart. As the pioneer of flame-free ACR press technology since 2015, RLS engineered a unique circular jaw profile from the ground up—specifically to handle the rigorous demands of modern refrigerant systems.

The RLS 360° Advantage

- **Dual-circular press:** Unlike modified plumbing jaws that compress at only six isolated points, the RLS system creates a continuous, unbroken 360° perimeter seal around the copper tube. This evenly distributes mechanical force, ensuring structural uniformity and long-term joint integrity under extreme pressure changes.
- **Instant visual identification:** RLS jaws and fittings look distinct because they are distinct. Every RLS fitting features our signature flared edge—giving site supervisors, inspectors, and engineers an immediate, undeniable visual confirmation that the connection is built for heavy-duty HVAC/R duty.
- **De-risk the jobsite:** Standardizing on RLS eliminates the confusion common with interchangeable plumbing jaws. By deploying a unique, dedicated system on-site, you streamline the installation workflow and eliminate the risk of craft-confusion or tooling errors.

Engineering peace of mind

When specifying mechanical components for live, high-stakes environments, the RLS system guarantees a robust, repeatable connection in just 10 seconds, backed by over a decade of proven field performance.

To ensure maximum safety, uniform pressure handling, and unparalleled installation speed, specify the original purpose-built ACR specialist.

RLS: Original. Patented. Proven.



RLS

PressSure™ 360° seal reduces leak risk, noise and turbulence.



Competitors

Hex-Press methods increase possible leak path and turbulence.