



NDL Industries

APPLICATIONS

Commercial, Industrial, and Residential Hydronic and Plumbing systems

Copper Press Fittings

Our precision-engineered copper press fittings provide superior performance and durability, meeting and exceeding industry standards for maximum working pressure, ensuring dependable connections ideal for hydronic applications.



CP Specifications

Commercial-Grade Assurance

Our press fittings come equipped with a commercial-grade EDPM O-ring designed for leak detection. This innovative feature immediately identifies unpressed connections, ensuring installation accuracy and enhancing system safety.

Extensive Configuration Options

With sizes ranging from 1/2" to 4" and over 350 configuration options, our press fittings provide a comprehensive solution for diverse installation needs, accommodating everything from simple repairs to large-scale projects.

Dependable Connections

With zero reported failures and backed by a 1-year warranty, these fittings are trusted in the field.

Industry-Leading Design

NDL press fittings feature a highly regarded "V" profile compatible with industry-standard jaw sets, ensuring a familiar pattern, size, finish, and appearance that professionals recognize and trust. These fittings provide a reliable and secure solution for both residential and commercial applications.

Customizable Ordering Options

We offer flexible ordering with small quantities of individual items, allowing customers to bundle different products in a single order without the need to meet high minimum requirements. This approach provides convenience and adaptability for projects of all sizes.

ASTM B88 Compliant

NDL press fittings are fully compatible with ASTM B88 K, L, and M hard-drawn copper tubing, ensuring they meet industry standards for safety and performance.



Copper Press Fittings

Characterisitcs

Materials

Press fittings and brazed fittings are both made from copper or copper alloys. Press fittings use mechanical pressing tools to compress fittings onto pipes with a sealing O-ring.

Installation

Press fittings streamline installation with mechanical pressing tools, ensuring swift and straightforward application.

Reliability

Press fittings create a strong mechanical joint, and are reliable when installed correctly, enduring high pressures and temperature variations.

Cost

Press fittings may have a lower initial cost due to simpler installation, but their fittings are generally more expensive than brazed fittings. Overall cost varies based on project size, labor, and material availability.

Flexibility

Press fittings offer flexibility during installation, allowing for adjustments before final compression, beneficial in complex plumbing systems.

Protection

Press fittings are corrosion-resistant due to copper material. Press fittings eliminate fire risks associated with brazing torches.

Operating Parameters

SIZE (IN)	PSI (AT 250°F)
WORKING PRESSURE	200 PSI MAXIMUM
MAXIMUM TEST PRESSURE	600 PSI MAXIMUM
LOW-PRESSURE STEAM	15 PSI MAXIMUM
WORKING TEMPERATURE	0°F to 250°F (-18°C to 121°C)
VACUUM	29.2" Mercury at 68°F (20°C)

Product List

- Adapters
- Bushings
- Flanges
- Caps
- Couplings
- Crossovers
- 45° Elbows
- 90° Elbows
- Tees
- Unions

Certifications and Approvals

- ASME/ASTM B42 C12200
- IAPMO PS 117-2016
- ASME/ASTM B1 .20.1
- NSF/ANSI STANDARD 61 – 372



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