

## SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE

# NO LEAD FORGED STEEL DIELECTRIC UNION (1/2" TO 2")

## P-571NL (1/2" - 2") PATENTED

Made to reduce galvanic corrosion where two dissimilar metals are joined. Self-aligning, non-conductive elastomer gasket and thermoplastic insert create a positive seal and complete isolation between the tubing and piping ends.

With high-strength, galvanized forged steel construct, the P-571NL is intended for both residential and commercial applications.

Approved for use in hydronic heat and chilled water with propylene glycol up to 50%.

Manufactured for installation onto ASTM B88 types K, L, and M hard-drawn copper tubing. Coiled (annealed) soft copper tubing is not recommended for use with this product.

Approved for use with propylene glycol, up to 50%.

### Working Pressure, Non Shock (PSI)

Cold working pressure (CWP): 200 PSI

Operating range: 0-250°F

Saturated steam (WSP): 5 PSI

*\*When equipped with the optional Steam Gasket (not included, available separately).*

MATERIAL SPECIFICATION		
PART	MATERIAL	MATERIAL
1	Press socket O-ring	EPDM rubber
2	Press adapter	Lead-free brass
3	Adapter O-ring	EPDM rubber
4	Union nut	Forged carbon steel, galvanized
5	Insert insulator	Nyloy®
6	Adapter baseplate	Lead-free brass
7	Gasket	EPDM rubber
8	FNPT and MNPT adapter	Forged carbon steel, galvanized

DIMENSIONS			
Nominal Size	A	B*	Insertion Depth
1/2" FNPT x Press	2.65	1.63	1 1/8"
3/4" FNPT x Press	2.80	1.86	1 3/16"
3/4" FNPT x 1/2" Press	2.70	1.86	1 1/8"
1" FNPT x Press	3.04	2.26	1 3/16"
1-1/4" FNPT x Press	3.24	2.75	1 3/16"
1-1/2" FNPT x Press	3.50	3.51	1 3/8"
2" FNPT x Press	4.00	4.00	1 5/8"
1/2" MNPT x Press	3.58	1.63	1 1/8"
3/4" MNPT x Press	3.75	1.88	1 3/16"

### Certifications/Listings:

Third-party certified.

NSF/ANSI 372: Drinking water system components - Lead content.

### Standards:

ANSI/ASME B1.20.1: Pipe threads, general purpose, Inch

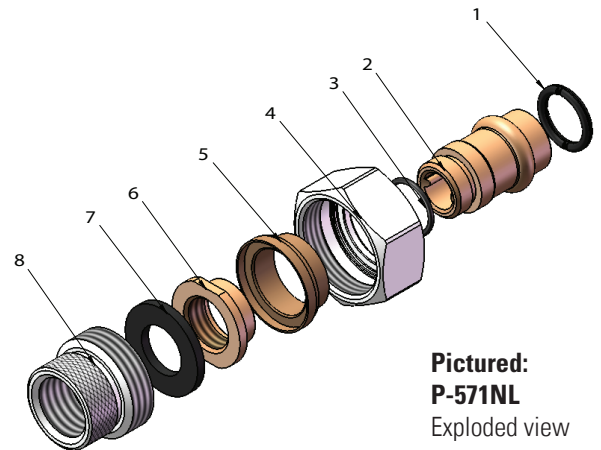
ANSI/ASME B16.51: Copper and copper alloy press-connect pressure fittings.

ASSE/ANSI 1079: Performance requirements for Di-electric Pipe Unions (Meets Requirements).



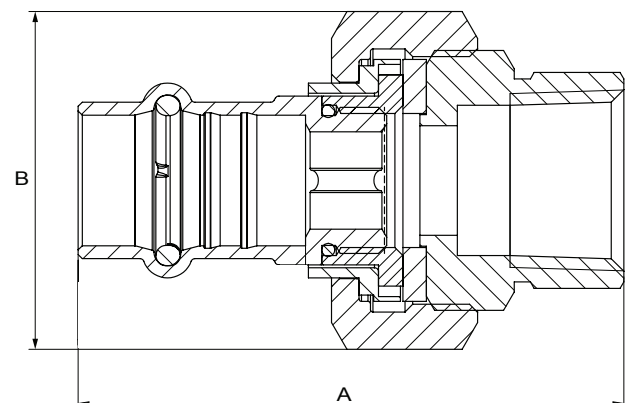
**Pictured:**  
P-571NL (3/4" FNPT)

**Pictured:**  
P-571NL (3/4" MNPT)



**Pictured:**  
P-571NL  
Exploded view

*\*This dimension is measured from corner to corner.*



**Pictured:**  
P-571NL  
Cut-away