

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
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/MNPT Adapter	Forged Carbon Steel, Galvanized

DIMENSIONS - INCH

Nominal Size	A	B*	Insertion Depth
1/2" FNPT x Press	2.65	1.63	11/8"
3/4" FNPT x Press	2.80	1.86	13/16"
3/4" FNPT x 1/2" Press	2.70	1.86	11/8"
1" FNPT x Press	3.04	2.26	13/16"
1-1/4" FNPT x Press	3.24	2.75	13/16"
1-1/2" FNPT x Press	3.50	3.51	13/8"
2" FNPT x Press	4.00	4.00	15/8"
1/2" MNPT x Press	3.58	1.63	11/8"
3/4" MNPT x Press	3.75	1.88	13/16"

*This dimension is measured from corner to corner.

Certifications/Listings:

Third-party certified.

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

Standards:

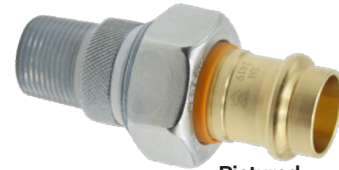
ANSI/ASME B1.20.1: Pipe threads, general purpose, Inch

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

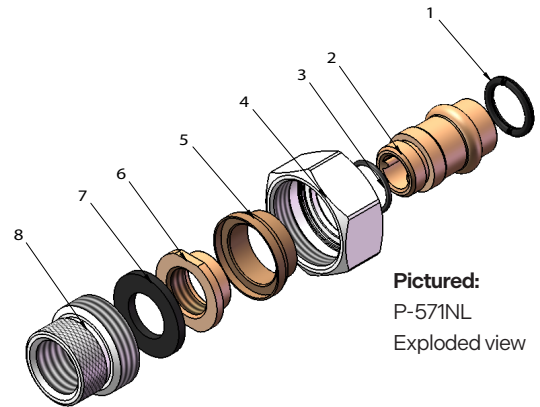
ASSE/ANSI 1079: Performance requirements for Di-electric Pipe Unions (Meets Requirements).



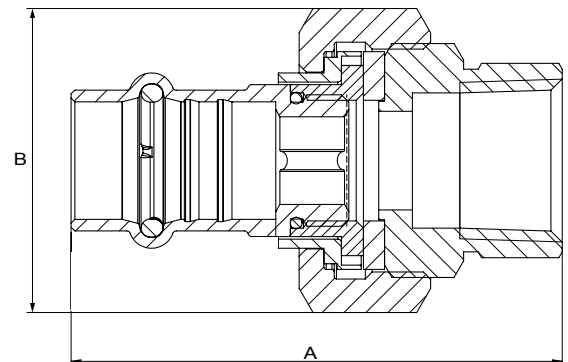
Pictured:
P-571NL (3/4" MNPT)



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



Pictured:
P-571NL
Exploded view



Pictured:
P-571NL
Cut-away