

SUBMITTAL SHEET

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

FORGED STEEL DIELECTRIC UNION (1/2" TO 2")



T-571

High-strength, galvanized forged steel construction make them ideal for residential and commercial applications

Designed to reduce stray current and 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

Optional high-temperature gaskets and inserts are available for steam and hydronic heating applications

Available in sizes 1/2" to 4"* in the FIP x sweat configuration and 1/2" and 3/4" in the MIP x sweat configuration.

**Note: Sizes 2-1/2" to 4" are a flange-type body construction. See [T-571, 2-1/2" to 4"] submittal sheet for details*

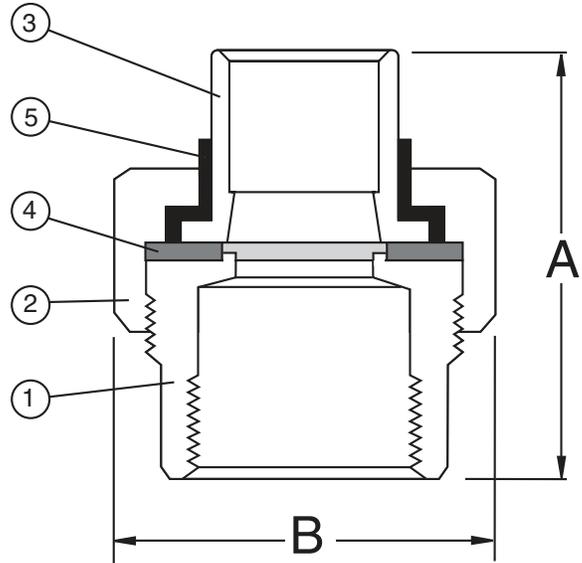
Working Pressure, Non-Shock (PSI)

Cold working pressure (CWP): 200 p.s.i. up to 180° F

Saturated steam (WSP): 60 p.s.i. up to 275° F**

***When equipped with the optional high-temperature steam gasket and insert.*

- Tensile strength, dimensional and galvanized coating requirements conform to ANSI/ASME B16.39
- Threaded pipe end connections conform to ANSI/ASME B1.20.1
- Sweat tubing end connections conform to ANSI/ASME B16.18
- Manufactured in an ISO accredited facility



MATERIAL SPECIFICATION

| PART | MATERIAL | SPECIFICATION |
|--------------------|---|--------------------------------------|
| 1 Body | Forged carbon steel, galvanized | AISI 1008A |
| 2 Union nut | Forged carbon steel, galvanized | AISI 1008A |
| 3 Solder adapter | Forged brass | ASTM B16 UNS C36000 |
| 4 Gasket | EPDM rubber **Epichlorohydrin rubber | Commercial grade Commercial grade |
| 5 Insert insulator | ABS resin **Fiber-reinforced ABS resin | Commercial grade Commercial grade |

***Optional high-temperature steam gasket and insert.*

DIMENSIONS

| Size | A | B |
|---------------------|------|------|
| 1/2" Fip x Swt | 1.84 | 1.44 |
| 3/4" Fip x Swt | 2.07 | 1.63 |
| 3/4" Fip x 1/2" Swt | 1.86 | 1.63 |
| 1" Fip x Swt | 2.27 | 1.88 |
| 1" Fip x 3/4" Swt | 2.25 | 2.13 |
| 1-1/4" Fip x Swt | 2.48 | 2.26 |
| 1-1/2" Fip x Swt | 2.53 | 2.62 |
| 2" Fip x Swt | 2.70 | 3.51 |
| 1/2" Mip x Swt | 2.75 | 1.44 |
| 3/4" Mip x Swt | 2.98 | 1.63 |
| 3/4" Mip x 1/2" Swt | 2.75 | 1.63 |

Pictured T-571 1/2" to 2"
Cut-away

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LEAD-FREE FORGED STEEL DIELECTRIC UNION (1/2" TO 2")

T-571NL (1/2" - 2")

Lead-free design is suitable for all no-lead potable water installations, in full compliance of all lead-free plumbing laws.

High-strength, galvanized forged steel construction make them ideal for residential and commercial applications.

Designed to reduce stray current and 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.

Available in sizes 1/2" to 4"* in the FNPT x Sweat configuration and 1/2" and 3/4" in the MNPT x Sweat configuration.

*Note: Sizes 2-1/2" to 4" are flange-type body construction. See T-571NL 2-1/2" to 4" submittal sheet for details.

- Third-party tested and certified in compliance with U.S. Federal Public Law 111-380 (National lead-free plumbing law).
- Meets NSF 372 lead content requirements.
- Tensile strength, dimensional and galvanized coating requirements conform to ANSI/ASME B16.39.
- Threaded pipe end connections conform to ANSI/ASME B1.20.1
- Sweat tubing end connections conform to ANSI/ASME B16.18
- Manufactured in an ISO accredited facility



Pictured
T-571NL (1/2" - 2")

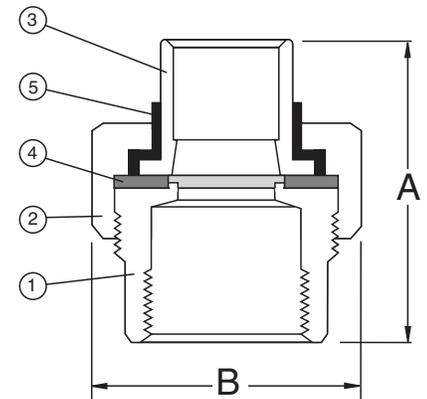


Working Pressure, Non Shock (PSI)

Cold working pressure (CWP): 200 p.s.i. up to 180°F

MATERIAL SPECIFICATION

| PART | MATERIAL | SPECIFICATION |
|--------------------|---------------------------------|------------------|
| 1 Body | Forged carbon steel, galvanized | AISI 1008A |
| 2 Union nut | Forged carbon steel, galvanized | AISI 1008A |
| 3 Solder adapter | Lead-free forged brass | JIS C6806 |
| 4 Gasket | EPDM rubber | Commercial grade |
| 5 Insert insulator | ABS resin | Commercial grade |



Pictured
T-571NL (FNPT x Sweat)
Cut-away

DIMENSIONS

| Size | A | B |
|----------------------|------|------|
| 1/2" FNPT x Swt | 1.84 | 1.44 |
| 3/4" FNPT x Swt | 2.07 | 1.63 |
| 3/4" FNPT x 1/2" Swt | 1.86 | 1.63 |
| 1" FNPT x Swt | 2.27 | 1.88 |
| 1" FNPT x 3/4" Swt | 2.25 | 2.13 |
| 1-1/4" FNPT x Swt | 2.48 | 2.26 |
| 1-1/2" FNPT x Swt | 2.53 | 2.62 |
| 2" FNPT x Swt | 2.70 | 3.51 |
| 1/2" MNPT x Swt | 2.75 | 1.44 |
| 3/4" MNPT x Swt | 2.98 | 1.63 |
| 3/4" MNPT x 1/2" Swt | 2.75 | 1.63 |