

## 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*

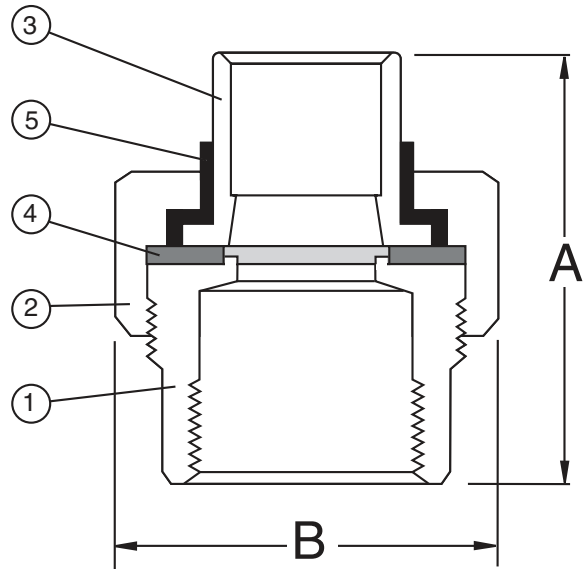
#### Working Pressure, Non-Shock (PSI)

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