

**For Residential and Commercial Applications**

Job Name \_\_\_\_\_  
 Job Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Approval \_\_\_\_\_

Contractor \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative \_\_\_\_\_

**LEAD FREE\***

**Series LF3004 Dielectric Unions**

**Sizes: 1/2" – 2"**

Series LF3004 Dielectric Unions feature female iron pipe thread to female iron pipe thread (zinc plated) connections. These unions are designed to be installed to prevent accelerated corrosion and deterioration in the piping system due to galvanic and stray current. The LF3004 features Lead Free\* construction to comply with Lead Free\* installation requirements.

**Features**

- Female iron pipe thread to female iron pipe thread (zinc plated) connections.
- Designed and manufactured to the highest quality standards
- Individually factory certified to withstand a minimum of 600 volts on a dry line with no flashover
- Rated to 180°F (82°C) at 250psi (17.2 bar)

**Specifications**

A dielectric union shall be installed where indicated on the plans. The union shall feature a female iron pipe thread to female iron pipe thread (zinc plated) connections. The union shall be a Watts Series LF3004.

**Materials – Dimensions – Weights**

| SIZE  | MATERIALS      |                |                |             |        | DIMENSIONS |     |       |    | WEIGHT |      |
|-------|----------------|----------------|----------------|-------------|--------|------------|-----|-------|----|--------|------|
|       | TAIL PIECE †   | ADAPTER †      | NUT †          | INSULATOR   | GASKET | A          |     | B     |    | oz.    | gm   |
| in.   |                |                |                |             |        | in.        | mm  | in.   | mm |        |      |
| 1/2   | Steel          | Steel          | Steel          | Polysulfone | Buna-N | 1 1/8      | 41  | 2 1/4 | 57 | 7.8    | 221  |
| 3/4   | Steel          | Steel          | Steel          | Polysulfone | Buna-N | 1 7/8      | 48  | 2 1/4 | 57 | 10.9   | 309  |
| 1     | Steel          | Steel          | Steel          | Polysulfone | Buna-N | 2 1/4      | 58  | 2 1/2 | 64 | 16.6   | 471  |
| 1 1/4 | Steel          | Steel          | Malleable Iron | Polysulfone | Buna-N | 2 3/4      | 70  | 2 3/4 | 70 | 23.5   | 666  |
| 1 1/2 | Malleable Iron | Malleable Iron | Malleable Iron | Polysulfone | Buna-N | 3 1/2      | 89  | 2 3/4 | 70 | 44.5   | 1262 |
| 2     | Malleable Iron | Malleable Iron | Malleable Iron | Polysulfone | Buna-N | 4 1/8      | 105 | 3 1/8 | 79 | 67.2   | 1905 |

† Steel and malleable iron components are zinc plated

LF3004

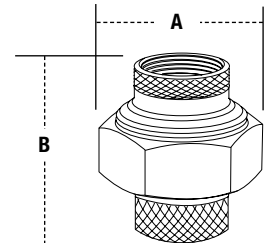


**Standards**

Meets federal specifications for tensile strength and thread end connections

**Pressure – Temperature**

Maximum Pressure: 250psi (17.2 bar)  
 Maximum Temperature: 180°F (82°C)



**NOTICE**

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

**NOTICE**

Inquire with governing authorities for local installation requirements

**\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.**

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



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