

## For Residential and Commercial Applications

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

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

# LEAD FREE\*

## Series LF3003

### Dielectric Unions

**Sizes: 1/2" – 2" (15 – 50mm)**

Series LF3003 dielectric unions feature a female iron pipe thread to female brass pipe thread connections. These unions are designed to be installed between pipe made from dissimilar metals to prevent accelerated corrosion and deterioration in the piping system due to galvanic and stray current. The LF3003 features Lead Free\* construction to comply with Lead Free\* installation requirements.

#### Features

- Female iron pipe thread to female brass pipe threaded 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 brass pipe threaded connections. The union shall be a Watts Series LF3003. The dielectric union shall be constructed using Lead Free\* materials. Lead Free\* dielectric unions shall comply with state codes and standards, where applicable, requiring reduced lead content.

#### Materials

SIZE		MATERIALS					DIMENSIONS				WEIGHT	
in.	mm	TAIL PIECE	ADAPTER †	NUT †	INSULATOR	GASKET**	A		B		oz.	gm.
							in.	mm	in.	mm		
1/2	15	Lead Free Brass	Steel	Steel	Polysulfone	Buna-N	1 5/8	41	2 1/4	57	8	227
3/4	20	Lead Free Brass	Steel	Steel	Polysulfone	Buna-N	1 7/8	48	2 1/4	57	11.4	323
1	25	Lead Free Brass	Steel	Steel	Polysulfone	Buna-N	2 1/4	57	2 1/2	64	16	454
1 1/4	32	Lead Free Brass	Steel	Malleable Iron	Polysulfone	Buna-N	2 3/4	70	2 3/4	70	24	680
1 1/2	40	Lead Free Brass	Malleable Iron	Malleable Iron	Polysulfone	Buna-N	3 1/2	89	2 3/4	70	48	1361
2	50	Lead Free Brass	Malleable Iron	Malleable Iron	Polysulfone	Buna-N	4 1/8	105	3 1/8	79	69.3	1965

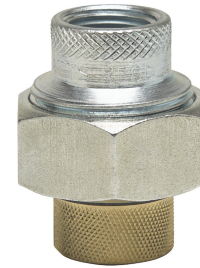
† Steel and malleable iron components are zinc plated

#### Standards

Meets federal specifications for tensile strength and thread end connections

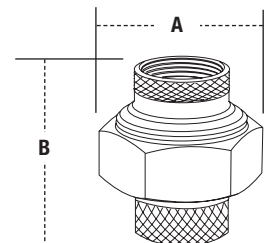
#### Pressure – Temperature

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



LF3003

#### Dimensions – Weights



\*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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