

Engineering Specification

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

LEAD FREE*

Series LF3003 Dielectric Unions

Sizes: 1/2" – 2"

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.



LF3003



Features

- Female iron pipe thread to female brass pipe threaded connections
- Designed and manufactured to the highest quality standards
- Factory audit tested to confirm 600V dry line performance without flashover
- Rated to 180°F (82°C) at 250psi (17.2 bar)

Specifications

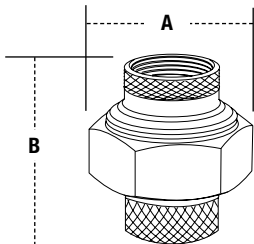
A dielectric union shall be installed where indicated on the plans. The union shall feature a female iron pipe thread to female brass pipe threaded connections. The union shall be a Watts Series LF3003. The dielectric union shall be constructed using Lead Free* materials. Inquire with governing authorities for local installation requirements.

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)



Materials — Dimensions — Weights

Call customer service if you need assistance with technical details.

SIZE	MATERIALS					DIMENSIONS				WEIGHT	
	TAIL PIECE	ADAPTER †	NUT †	INSULATOR	GASKET**	A		B		oz.	gm
<i>in.</i>						<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>		
1/2	Lead Free Brass	Steel	Steel	Polysulfone	Buna-N	1 5/8	41	2 1/4	57	8	227
3/4	Lead Free Brass	Steel	Steel	Polysulfone	Buna-N	1 7/8	48	2 1/4	57	11.4	323
1	Lead Free Brass	Steel	Steel	Polysulfone	Buna-N	2 1/4	57	2 1/2	64	16	454
1 1/4	Lead Free Brass	Steel	Malleable Iron	Polysulfone	Buna-N	2 3/4	70	2 3/4	70	24	680
1 1/2	Lead Free Brass	Malleable Iron	Malleable Iron	Polysulfone	Buna-N	3 1/2	89	2 3/4	70	48	1361
2	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

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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