

Series 3000 (1/2" – 4")

Dielectric Unions/Fittings

- Protects against destructive effect of galvanic and stray current corrosion
- For residential, commercial and industrial applications

Specifications

- Supplied with GA gaskets suitable for water, air, oil, natural gas, gasoline, propane, kerosene, mineral oil and alkalies. For other applications, consult factory
- Dielectric Unions are rated to 180°F (82°C) at 250psi (17.2 bar) conforming to ANSI B16.39. Pipe threads are in accordance with ANSI B2.1
- Dielectric Flange Fittings are rated at 175psi (12.1 bar) conforming to B16.42 (iron), B16.24 (bronze)

Standards

Unions meet the requirements of ANSI B16.39, including hydrostatic strength, tensile strength and air pressure testing.

Flange fittings conform to B16.42 (iron), B16.24 (bronze).

All pipe threads are in accordance with ANSI B2.1 and solder joints meet national plumbing standards.

Gray Iron	ASTM A48-83
Malleable Iron Parts	ASTM A197-79
Steel Parts	ASTM A108
Brass Parts	ASTM B16
Bronze Parts	ASTM B584
Zinc Parts	ASTM B633-85
Insulators	Watts #1425
Standard Gasket A	Buna

Models

3001A – Sizes 1/2" – 2" (15 – 50mm), female iron pipe thread to solder connection

3002 – Sizes 1/2" x 3/8", 3/4" x 1/2", 1" x 3/4" (15 x 10, 20 x 15, 25 x 20mm), female iron pipe thread to reduced solder connection.

3003 – Sizes 1/2" – 2" (15 – 50mm), female iron pipe thread to female brass pipe

3004 – Sizes 1/2" – 2" (15 – 50mm), female iron pipe thread to female iron pipe thread (galvanized)

3005A – Sizes 1/2" – 3/4" (15 – 20mm), male iron pipe thread to solder connection

3006 – Sizes 1/2" – 2" (15 – 50mm), female iron pipe thread to female iron pipe thread (black)

3007 – Sizes 1/2" x 3/8" – 3/4" x 1/2" (15 x 10mm – 20 x 15mm), male iron pipe thread to female solder connection

3008 – Sizes 1/2" – 1" (15 – 25mm), female brass pipe thread to female solder connection.

Flanged Fittings

3100 – Sizes 2" – 4" (50 – 100mm), iron pipe thread to copper solder joint

3110 – Sizes 2 1/2" – 4" (65 – 100mm), solder copper fitting, bronze (125 class flange)

3200 – Sizes 2" – 4" (50 – 100mm), iron pipe thread to iron pipe thread

For additional information, request literature F-3000.



3002



3100

Optional Gasket

add Suffix:

GB – EPDM gasket for use in steam or hot water applications up to 300°F (149°C) at 50psi (3.4 bar)

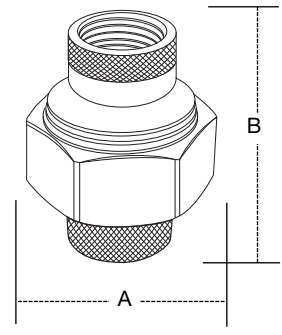
Features

- Meets federal specifications for both tensile strength and thread end connections
- All dielectric unions individually factory certified to withstand a minimum of 600 volts on a dry line with no flashover
- Watts dielectric fittings/unions are designed and manufactured to the highest quality standards

Bolt Insulators – for insulating flange bolts – Installation Kit

BOLT SIZE		QTY./CARTON	WEIGHT	
<i>in.</i>	<i>mm</i>		<i>lbs.</i>	<i>kgs.</i>
1/2	15	100	1.75	.8
5/8	16	100	1.75	.8
3/4	20	100	2	.9
7/8	22	100	2	.9

MODEL	SIZE (DN)		DIMENSIONS (APPROX.)				WEIGHT	
	in.	mm	A		B		oz.	gm.
			in.	mm	in.	mm		
3001A	1/2	15	1 1/2	32	1 7/8	48	6.0	170
3001A	3/4	20	1 5/8	41	2 1/8	54	6.7	190
3001A	1	25	1 7/8	48	2 1/2	64	9.3	264
3001A	1 1/4	32	2 1/4	57	3	76	13.3	377
3001A	1 1/2	40	2 3/4	70	3	76	13.3	377
3001A	2	50	3 1/2	89	3	76	34.7	984
3002	1/2 x 3/8	15x10	1 1/2	38	1 7/8	48	6.7	190
3002	3/4 x 1/2	20x15	1 5/8	41	1 7/8	48	6.7	190
3002	1 x 3/4	25x20	1 7/8	48	2 1/2	64	10.7	303
3003	1/2	15	1 5/8	41	2 1/4	57	6.7	190
3003	3/4	20	1 7/8	48	2 1/4	57	14.7	417
3003	1	25	2 1/4	57	2 1/2	64	20.0	567
3003	1 1/4	32	2 3/4	70	2 3/4	70	26.7	757
3003	1 1/2	40	3 1/2	89	2 3/4	70	48.0	1366
3003	2	50	4 1/8	105	3 1/8	79	69.3	1965
3004	1/2	15	1 5/8	41	2 1/4	57	6.7	190
3004	3/4	20	1 7/8	48	2 1/4	57	14.7	417
3004	1	25	2 1/4	57	2 1/2	64	20.0	567
3004	1 1/4	32	2 3/4	70	2 3/4	70	26.7	757
3004	1 1/2	40	3 1/2	89	2 3/4	70	45.0	1276
3004	2	50	4 1/8	105	3 1/8	79	8.7	247
3005A	1/2	15	1 1/2	38	2 5/8	67	8.6	244
3005A	3/4	20	1 5/8	41	3	76	12.6	377
3006	1/2	15	1 5/8	41	2 1/4	57	6.7	190
3006	3/4	20	1 7/8	48	2 1/4	57	14.7	417
3006	1	25	2 1/4	58	2 1/2	64	20.0	567
3006	1 1/4	32	2 3/4	70	2 3/4	70	26.7	757
3006	1 1/2	40	3 1/2	89	2 3/4	70	45.3	1284
3006	2	50	4 1/8	105	3 1/8	79	64.0	1814
3007	1/2 x 3/8	15x10	1 1/2	38	2 5/8	67	6.7	190
3007	3/4 x 1/2	20x15	1 5/8	41	3	76	6.7	190
3008	1/2	15	1 1/2	38	1 7/8	48	6.7	190
3008	3/4	20	1 5/8	41	2 1/8	54	10.7	303
3008	1	25	1 7/8	48	2 1/2	64	14.7	417



FLANGED FITTINGS

3100	2	50	5 1/8	130	3 1/4	83	128	3629
3100	2 1/2	65	5 7/8	149	3 1/2	89	192	5443
3100	3	80	6 3/4	171	3 3/4	95	224	6350
3100	4	100	9 1/8	232	4 3/8	111	480	13608
3110	2 1/2	65	5 7/8	149	3 1/2	89	192	5443
3110	3	80	6 3/4	171	3 3/4	95	240	6804
3110	4	100	9 1/8	232	4 3/8	111	288	8165
3110LF	2 1/2	65	5 7/8	149	3 1/2	89	96	44
3110LF	3	80	6 3/4	171	3 1/2	89	120	54
3110LF	4	100	9 1/8	232	4 3/8	111	144	65
3200	2	50	5 1/8	130	2 1/8	54	128	3629
3200	2 1/2	65	5 7/8	149	2 3/4	70	192	5443
3200	3	80	6 3/4	171	2 3/4	70	240	6804
3200	4	100	9 1/8	232	3	76	496	14062