

SERIES 647

Victaulic Style 647 IPS to CTS dielectric transition fittings are typically used to join carbon steel or stainless steel pipe to copper tubing with one fitting. The fittings provide a set distance between the metals being joined while maintaining a minimal electric potential between the fitting and surrounding piping.

Available in sizes from  $\frac{1}{2} - \frac{4}{12} - 100$  mm. The Style 647 is available in a thread x thread (TT), groove x thread (GT), and groove x groove (GG) design.



MATERIAL SPECIFICATIONS

The Style 647 dielectric transition fittings are a copper silicon casting conforming to UNS C87850 and are UL classified in accordance with ANSI/NSF-61 and NSF 372 for ambient +86°F/+30°C and hot +180°F/+82°C potable water service.

# JOB/OWNER System No.\_\_

Location \_

CONTRACTOR Submitted By

Submitted By \_\_\_\_\_

Date \_

## ENGINEER

Spec Sect	Para
Approved	
Date	

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22.21

# **Dielectric Transition Fittings**

## SERIES 647

#### DIMENSIONS



Style 647-GT Grooved X Threaded



Style 647-TT Threaded X Threaded

Pipe Size					
Nominal Dia. Inches/mm	Actual Out. Dia. Inches/mm	Max. Work. Press. PSI/kPa	End to End Inches/mm	Units Per Box	Aprx. Wgt. Lbs./kg
Grooved X Thread	led				
1	1.315	300	4.10	25	0.7
25	33.7	2065	104		0.3
1 ¼	1.660	300	4.10	10	1.0
32	42.4	2065	104		0.4
1 ½	1.900	300	4.10	10	1.1
40	48.3	2065	104		0.5
2	2.375	300	4.10	10	1.5
50	60.3	2065	104		0.7
2 ½	2.875	300	6.10	6	3.3
65	73.0	2065	155		1.5
3	3.500	300	6.10	6	4.3
80	88.9	2065	155		2.0
4	4.500	300	6.10	6	6.2
100	114.3	2065	155		2.8
Threaded X Threa	ded				
½	0.840	300	3.00	25	0.2
15	21.3	2065	76		0.1
<sup>3</sup> ⁄ <sub>4</sub>	1.050	300	3.00	25	0.3
20	26.7	2065	76		0.1
1	1.315	300	4.00	25	0.6
25	33.7	2065	102		0.3
1 ¼	1.660	300	4.00	10	0.8
32	42.4	2065	102		0.4
1 ½	1.900	300	4.00	10	0.9
40	48.3	2065	102		0.4
2	2.375	300	4.00	10	1.2
50	60.3	2065	102		0.5
2½	2.875	300	6.00	6	2.9
65	73.0	2065	152		1.3
3	3.500	300	6.00	6	3.7
80	88.9	2065	152		1.1
4	4.500	300	6.00	6	5.3
100	114.3	2065	152		2.4

#### Grooved X Grooved

Pipe Size Inches/mm						
Nominal Diameter	Actual Outsi Steel (IPS)	de Diameter Copper (CTS)	Max. Work. Press. PSI/kPa	End to End Inches/mm	Units Per Box	Aprx. Wgt. Each Lbs./kg
2	2.375	2.125	300	4.19	10	1.3
50	60.3	54.0	2065	106		0.6
2 ½	2.875	2.625	300	6.19	6	3.0
65	73.0	66.7	2065	157		1.4
3	3.500	3.125	300	6.19	6	3.9
80	88.9	79.4	2065	157		1.8
4	4.500	4.125	300	6.19	6	5.6
100	114.3	104.8	2065	157		2.6



Style 647-GG Grooved X Grooved



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# **Dielectric Transition Fittings**

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WARRANTY

WARNING

# **WARNING**

• This product must be installed by an experienced, trained installer, in accordance with the instructions provided with instructions provided. These instructions contain important information.

Failure to follow these instructions may result in serious personal injury, property damage, or valve leakage.

If you need additional copies of this product literature or the valve installation instructions, or if you have any questions about the safe installation and use of this device, contact Victaulic Company, P.O. Box 31, Easton, PA 18044-0031 USA, Telephone: 001-610-559-3300.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Refer to the Warranty section of the current Price List or contact Victaulic for details.







