

The promise of precision, every time.



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Restriction Orifice Union

An alternative design to control flow, with a wide range of options

Restriction orifice unions feature a single piece metal orifice plate that fits perfectly into the union seat, eliminating the need for a gasket.

Orifice unions are commonly used in fire pump systems, since they have the ability to handle higher levels of pressure while maintaining a smaller overall pipe size. This also makes them perfect for small bore applications.

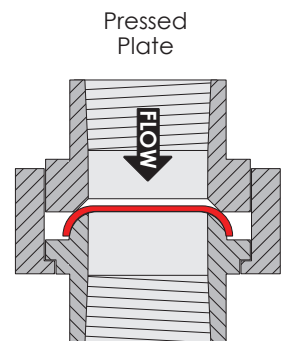
Our plates are available with a pressed plate. All our restriction orifice union cups can be bored to specifications based on the customers application. Large order discounts are available, talk to your Mac-Weld expert today for complete details.

Features:

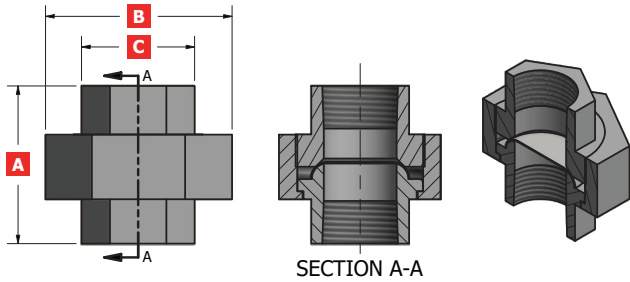
- Available with pressure ratings of 3000 and 6000 psig.
- Threaded and socket-weld connections available
- Unions are available in A105 carbon steel or 316 stainless steel, along with other materials
- Available in pipe sizes ranging from 1/8" - 2"
- Union cups also sold separately



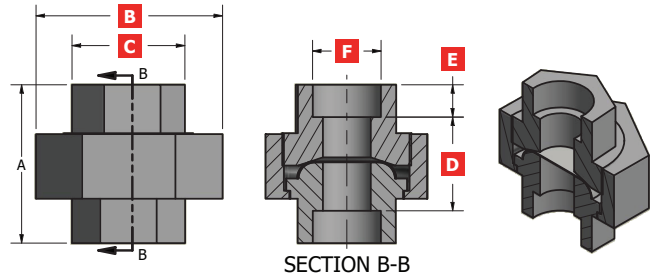
Union Cup



Threaded Unions - CL3000#



Socket Weld Unions - CL3000#



Recognized globally for our quality, service and the ability to deliver!

CL3000 Threaded and Socket Weld Unions Dimensions

Pipe Size	A	B	C	D	E	F	Weight (lbs.)
1/8"	1 11/16"	1 31/64"	53/64"	25/32"	7/16"	0.420-0.430	0.380
1/4"	1 11/16"	1 31/64"	53/64"	25/32"	7/16"	0.555-0.565	0.360
3/8"	1 27/32"	1 11/16"	1"	31/32"	7/16"	0.690-0.700	0.500
1/2"	2	1 15/16"	1 3/16"	1 3/32"	7/16"	0.855-0.865	0.695
3/4"	2 5/16"	2 3/8"	1 15/32"	1 5/32"	9/16"	1.065-1.075	1.175
1"	2 7/16"	2 25/32"	1 25/32"	1 3/8"	9/16"	1.330-1.340	1.640
1 1/4"	2 7/16"	3 23/64"	2 7/32"	1 45/64"	9/16"	1.675-1.685	2.590
1 1/2"	3	3 23/64"	2 35/64"	1 7/8"	9/16"	1.915-1.925	3.410
2"	3 1/2"	4 27/64"	3 1/16"	2 1/16"	1 1/16"	2.406-2.416	5.120

Material Options: A105 carbon steel or 316 stainless steel

Industries: Any industry that requires flow restriction, including coolants, gases, steam and water.

