



PERIMETER WELD FLANGE

Multi-CF™ FITTING

WELDABLE TAPPED UHV CF FLANGES WITH OVERSIZE/EXPANDING-CONICAL BORES MAXIMUM ACCESS WITH REDUCED SYSTEM SIZE

PATENT PENDING



Perimeter Weld Flanges

*1 1/3 CF, and 6 CF sizes showing weld lip on outer diameter,
2 3/4 and 4 1/2 CF sizes showing sealing surface with bolt holes*

APPLICATIONS:

MEDIUM AND LARGER SPHERICAL CHAMBERS WITH IMPROVED ACCESS AND REDUCED OVERALL SYSTEM SIZE
VACUUM CHAMBERS WITH BUILT-IN GROOVE-GRABBER TECHNOLOGY
CHAMBERS WITH MAXIMUM INTERNAL VOLUME FOR A GIVEN CF SIZE

FEATURES / OPTIONS:

OVERSIZE / EXPANDING-CONICAL BORES
EASY WELDING INTO SPHERICAL CHAMBERS
LARGER INTERNAL CAPACITY FOR THE SAME OVERALL SIZE
DOUBLE DENSITY BOLT HOLES
TAPPED HOLES WHICH DO NOT REQUIRE NUT CLEARANCE

PERIMETER WELD FLANGE

Perimeter Weld Flanges are a new type of weldable UHV CF flange. Most often they are welded into spherical chambers. However they may be welded into: tubes, cones, ellipsoids, plates, and other shapes. By placing the weld lip on the outer perimeter of the flange, it is possible to significantly improve access to the interior of a system, while simultaneously reducing overall size. Each 2 3/4 or larger CF flange has one or more pair of Grabber Grooves.

	MCF133-PWF	MCF275-PWF/GG	MCF450-PWF/GG	MCF600-PWF/GG	MCF800-PWF/GG
Multi-CF FITTING	Perimeter Weld Flange				
COMMON APPLICATION	Direct welding into spherical chambers				
CONSTRUCTION / MATERIAL	Unitary Stainless Steel 316				
CF SEALING SURFACES	One 1 1/3 inch CF flange with (12) 8-32 tapped bolt holes	One 2 3/4 inch CF flange with (12) 1/4-28 tapped bolt holes plus one pair of Grabber Grooves	One 4 1/2 inch CF flange with (16) 5/16-24 tapped bolt holes plus one pair of Grabber Grooves	One 6 inch CF flange with (32) 5/16-24 tapped bolt holes plus one pair of Grabber Grooves	One 8 inch CF flange with (40) 5/16-24 tapped bolt holes plus one pair of Grabber Grooves
BORE DIAMETER	0.640 inch	1.500 inch	2.900 inch	4.300 inch	6.300 inch
WELD LIP DIAMETER	1.200 inch	2.599 inch	4.000 inch	5.840 inch	7.840 inch

