

PyraFlat™ Waveguide Flanges

PyraFlat waveguide flanges feature an inner zero-clearance joint to help prevent beam loss in high-energy applications. Using the same sealing principles as the ConFlat® flange the PyraFlat flange has been proven as an effective UHV seal for rectangular flanges at the Stanford Linear Accelerator Center as well as at industrial manufacturing facilities. Like the standard Pyraflat flange, PyraFlat waveguide flanges provide a leak-tight UHV seal for use in high-energy particle accelerators, directed energy devices and RF imaging applications.

Features

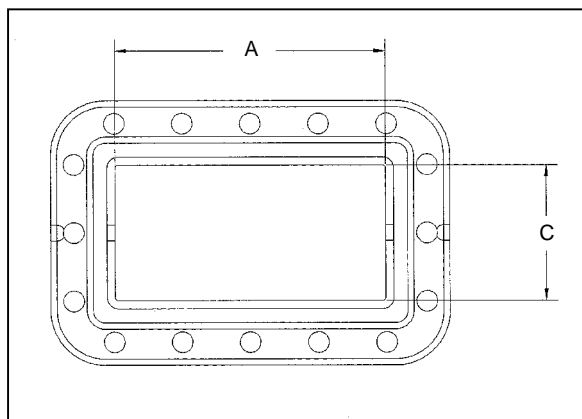
- As leak-tight and as easy to use as a ConFlat® flange
- Standard sizes available, WR112 to WR650
- Sexless flange for greater design flexibility
- Zero-clearance ‘energy’ seal
- Max. bakeout temp: 450°C
- PyraFlat reliability translates to lower TCO than other rectangular seal designs



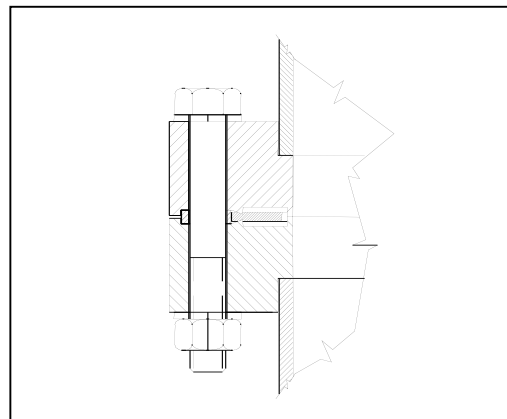
PyraFlat waveguide flange

PyraFlat flanges are manufactured and protected under one or more of the following patents: 5,640,751; 4,685,193

Trademarks are acknowledged



Waveguide flange dimensional layout



Waveguide flange – section detail

Ordering Information dimensions in inches

A Dimension	C Dimension	Model No.	Gaskets (5/pkg.)
1.12	0.50	PWR112	GPWR112
2.84	1.34	PWR284	GPWR284
4.30	2.15	PWR430	GPWR430
6.50	3.25	PWR650	GPWR650