

Port Aligner 616-PA-C40-V2

Port aligner are bellows stages for adjustment or alignment. They are commonly used for magnetic linear transporter as well as for equipment like electron guns, who need fine adjustments.

For easy fixation, one flange is tapped, the other has through holes.

The improved design gives now an increased ID of 38mm and the freedom of changing the orientation: The item is assembled in the way, that the moving flange has tapped holes, but this can easily be changed. In addition, the allowed tilt and travel is increased.



616-PA-C40-V2	
Vacuum	UHV, $>10^{-10}$ mbar
Material	Stainless Steel, 304L or better
Top flange	DN40CF, tapped
Botton flange	DN40CF, through hole (Top and botton can be changed)
Free ID	38mm
Overall length	90mm (in neutral position)
Tilt	$\pm 10^\circ$ *)
Lin. Travel	± 8 mm *)
Bakeout temp.	230°C
Adjustment screws	3x SW10

*) the max. values for tilt and lin. movement cannot be used at the same time
All threads are coated with a high temperature lubricant varnish.
A standard spanner size 10 is required for making the adjustment.



Port aligner in tilt position