



VACUUM PASSTHRU HARDWARE

Vacuum passthru hardware is available in a variety of packages from low to ultra-high vacuum, and for single and multi-channel applications.

MODEL or Option	SENSOR CHANNELS	SENSOR TYPE	TORR RATING	IMAGE
Bv1	Single	D or RC	10 ⁻⁷	
Bv1-C133 Bv1-C275 Bv1-K25 Bv1-K50	Single	D or RC	10 ⁻⁷	

Bv1 is a popular option for measurements in high vacuum. It can be configured with different sizes of CF or KF style flanges. A Swagelok Ultra-Torr compression fitting is brazed or welded to the vacuum flange. The assembly is leak tested to 5x 10⁻¹⁰ std. cc/s He.



On the vacuum side of the Bv1 connector interface, leakage thru the fibers is sealed with sapphire windows over the fiber bundles.



Philtec Application Note

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MODEL or Option	SENSOR CHANNELS	SENSOR TYPE	TORR RATING	IMAGE
Bv2	Single	D	10 ⁻¹¹	
Bv3	Single	RC	10 ⁻¹¹	
BvF - CF	Multi	D or RC	10 ⁻⁷	
BvF - ISO	Multi	D or RC	10 ⁻⁷	
Fv1 Ø .375"	Single	D or RC	10 ⁻⁴	
Fv2 Ø .250"	Single	D or RC	10 ⁻⁴	
Fv3 Ø .500"	Single	D or RC	10 ⁻⁴	
W Epoxied	Single	D or RC	10 ⁻⁷	
Wb Brazed	Single	D or RC	10 ⁻¹¹	

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