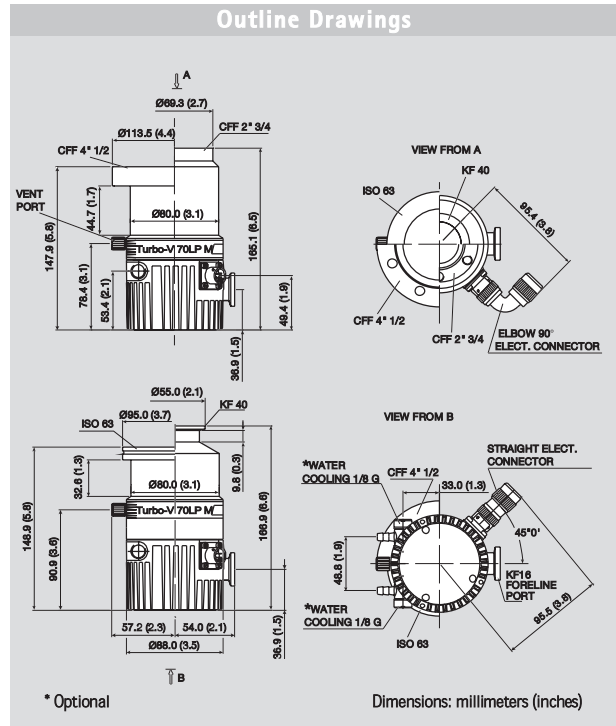


Turbo-V 70LP



Technical Specifications

Pumping speed (l/s)				
With CF 4 1/2 or ISO 63:	N ₂ : 68 l/s	He: 60 l/s	H ₂ : 45 l/s	
With CF 2 3/4 or KF 40:	N ₂ : 46 l/s	He: 52 l/s	H ₂ : 42 l/s	
Compression ratio	N ₂ : 5 x 10 ⁸	He: 8 x 10 ⁴	H ₂ : 1 x 10 ⁴	
Base pressure* (with recommended mechanical forepump)	2 x 10 ⁻¹⁰ mbar (1.5 x 10 ⁻¹⁰ Torr)			
(with recommended dry forepump)	2 x 10 ⁻⁹ mbar (1.5 x 10 ⁻⁹ Torr)			
Inlet flange	CF 4 1/2 O.D.	ISO 63		
	CF 2 3/4 O.D.	KF 40		
Foreline flange	KF 16			
Rotational speed	75,000 rpm			
Start-up time	< 60 seconds			
Recommended forepump	Mechanical: Varian DS 102			
	Dry scroll: Varian SH-100			
Operating position	Any			
Cooling requirements	Natural air convection			
	Forced air or water optional			
Bakeout temperature	120 C at inlet flange max. (CF flange)			
	80 C at inlet flange max. (ISO flange)			
Vibration level (displacement)	<0.01 μm at inlet flange			
Weight (lbs)	ISO: 1.7 (3.7)			
	CF: 2.5 (5.5)			

* According to standard DIN 28 428, the base pressure is measured in a leak-free test dome, 48 hours after completion of test dome bake-out, with a Turbopump fitted with a ConFlat flange and using the recommended backing pump.