



Varian TV-1800A

Technical Specifications

Pumping speed	N ₂ : 1600 l/s He: 1850 l/s H ₂ : 1750 l/s
Compression ratio	N ₂ : >1 x 10 ¹⁰ He: 2.5 x 10 ⁵ H ₂ : 6 x 10 ³
Base pressure*	1 x 10 ⁻¹⁰ mbar (7.5 x 10 ⁻¹¹ Torr)
Inlet flange	ISO 250 CFF 12" CFF 12.5"
Foreline flange	ISO 63
Vent port flange	KF 10 NW
Purge port flange	KF 10 NW
Rotational speed	27000 rpm
Start-up time	10 minutes
Recommended forepump	Varian SD 700
Operating position	Vertical/inverted (max slope 10°)
Operating ambient temperature	+ 5° C to + 35° C

Coolant water	flow: 70 l/h (0.3 GPM) temperature: +10° C to +30° C pressure: 2 to 4 bar (30 to 60 Psi)
Bakeout temperature	120° C at inlet flange maximum
Vibration level (displacement)	< 0.02 µm at inlet flange
Noise level	≤ 52 dB (A) at 1 meter
Input	90 Vac, three phase, 450 Hz
Lubricant	permanent lubrication
Storage temperature	- 20° C to + 70° C
Weight kg (lbs)	62 (137)

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





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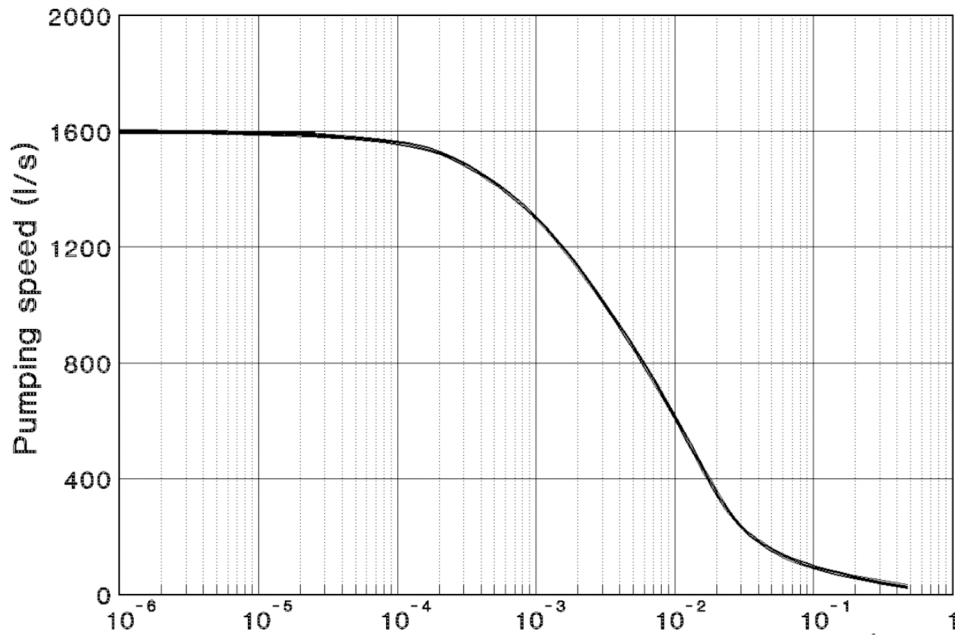
SALES

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Varian TV-1800A Pumping Curves



Dimensions

