



PROVAC

SALES

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Varian TV-801

Technical Specifications

Pumping speed (with inlet screen)	ISO 160:
N ₂ :	680 l/s
He:	810 l/s
H ₂ :	850 l/s
Compression ratio	
N ₂ :	>1 x 10 ⁹
He:	5 x 10 ⁷
H ₂ :	2 x 10 ⁶
Base pressure with recommended forepump	< 1 x 10 ⁻¹⁰ mbar (< 1 x 10 ⁻¹⁰ Torr)
Inlet flange	ISO 160
Foreline flange	KF 40 NW
Rotational speed	38000 rpm
Start-up time	< 4 minutes
Recommended forepump	DS 402, TriScroll 300
Operating position	Any
Operating ambient temperature	+10 °C to +45 °C
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
Lubricant	permanent lubrication
Cooling requirements	Forced air
Noise level	<55 dB(A) at 1 meter

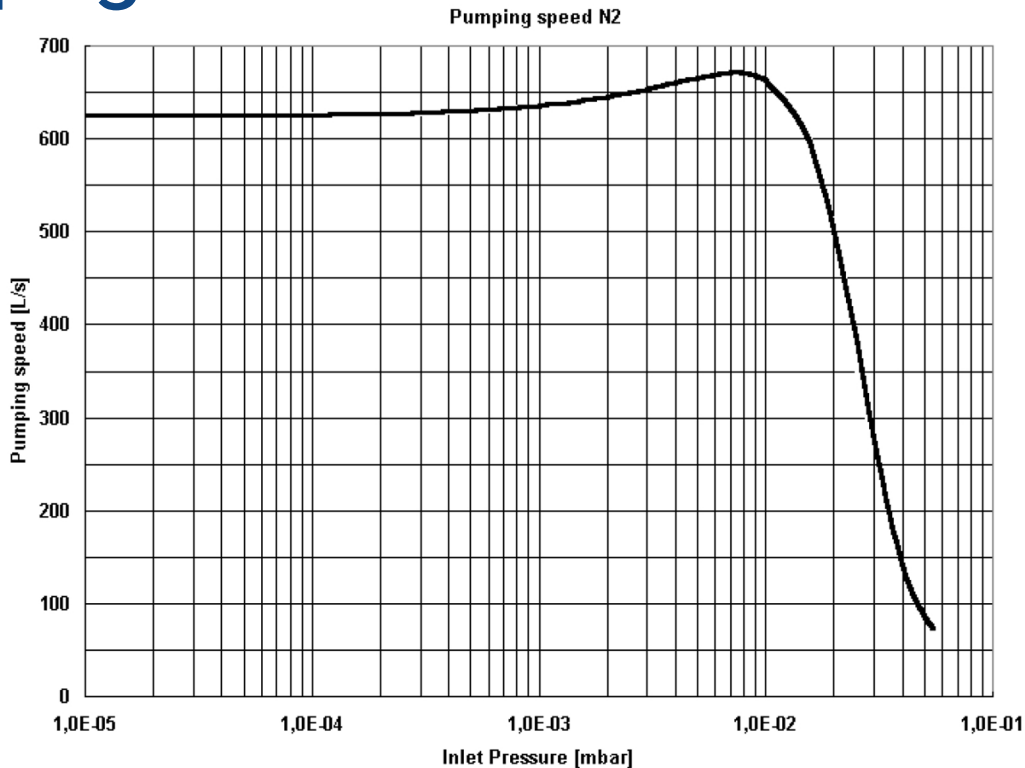


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Technical Specifications cont.

Power supply:		Power cable	With European or NEMA plug 3 meters long (optional)
Input voltage:	100 - 240 Vac	Serial communication (Navigator kit)	RS232 cable with a 9-pin D type male connector and a 9-pin D type female connector, and Navigator software (optional)
Input freq.:	50 - 60 Hz	Installation category	II
Max input power:	600 VA	Pollution degree	2
Stand-by power:	30 to 35 W	Storage temperature	-20° C to +70° C
Max operating power:	- 450 W with forced air - 300 W with air	Weight kg (lbs)	
Protection fuse	1 x 8 A	ISO 160 flange	19 (41.8)
Compliance with:	UNI EN 292-1 UNI EN 292-2 EN-CENELEC 55011 IEC 1000-4-2 (ex 801-2) IEC 1000-4-3 (ex 801-3) IEC 1000-4-4 (ex 801-4) EN 61010-1 (IEC 1010-1) EN 1012-2	Controller	5.4 (12)

Pumping Curves





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Dimensions

