



# Varian Task-301

## Technical Specifications

TASK System Specifications	Description	
Base Pressure		5 x 10 <sup>-9</sup> mbar
Pumping Speed (l/s)	V-301 ISO 100 / 6.00" CFF (DN100)	<input type="checkbox"/> N <sub>2</sub> – 250 <input type="checkbox"/> H <sub>2</sub> – 200 <input type="checkbox"/> He – 220
	V-301 ISO 160 / 8.00" CFF (DN160)	<input type="checkbox"/> N <sub>2</sub> – 280 <input type="checkbox"/> H <sub>2</sub> – 210 <input type="checkbox"/> He – 230
Rotational Speed	V-301	963 Hz
Operating Position	Vertical	
Operating Ambient Temperature	5 °C to 35 °C	
Input Voltage/Frequency	120 or 220 VAC, 50/60 Hz	
Maximum Input Power	736 W/486 W (V-81M/V-301)	
Bakeout Temperature	CFF: 120 °C at Inlet KF, ISO: 80 °C at Inlet	
Altitude	2000 m maximum	
Humidity	0 to 95% non-condensing	
Storage Temperature	-20 to 60 °C	



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## Varian Task-301

### Features & Benefits

- versatile broad range of gauges, valves & accessories
- oil-free high vacuum performance
- fully integrated vacuum solutions
- easy to use plug & pump
- benchtop compact, portable
- wide range of configurations
- dry or wet roughing versions
- small footprint, lightweight
- cost effective solution
- air-cooled vented case
- lifting hand holds
- manual turbo vent valve



### Applications

- lamp & tube processing
- cryopump regeneration
- high vacuum systems operation
- high & ultra high vacuum systems bake out
- UHV system pump down
- ion pump roughing