



Agilent TPS Compact

Technical Specifications

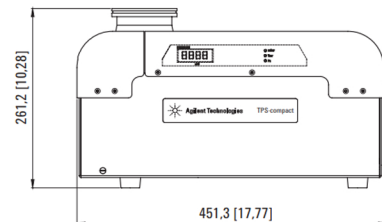
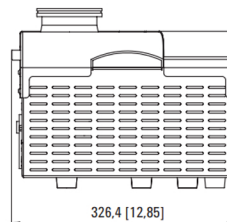
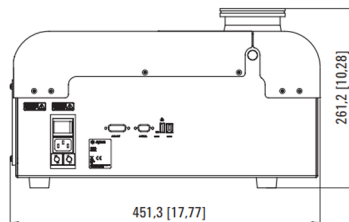
	Equipped with TwisTorr 74 FS	Equipped with TwisTorr 304 FS
Pumping speed	N ₂ : 48 L/s (ISO 63, with inlet screen)*	N ₂ : 180 L/s (with inlet screen)*
Base Pressure**	1 x 10 ⁻⁹ mbar [CFF Flanges] 1 x 10 ⁻⁸ mbar [ISO Flanges]	1 x 10 ⁻⁹ mbar [CFF Flanges] 1 x 10 ⁻⁸ mbar [ISO Flanges]
Pumpdown Time (15 L volume)	46 sec (100 mbar); 104 sec (1 mbar); 160 sec (1x10 ⁻⁴ mbar); 210 sec (5 x 10 ⁻⁵ mbar); 400 sec (1.3 x 10 ⁻⁵ mbar)	80 sec (16 mbar); 110 sec (3 mbar); 155 sec (6 x 10 ⁻⁵ mbar); 200 sec (1 x 10 ⁻⁵ mbar)
Turbo pump rotational speed	70.000 RPM	60.000 RPM
Start-up Time	144 sec	150 sec
Operating Ambient Temperature	5°C to 35°C	5°C to 35°C
Input Voltage and Frequency	115 Vac 60 Hz or 220-240 Vac 50/60 Hz or 100 Vac 50/60 Hz	115 Vac 60 Hz or 220-240 Vac 50/60 Hz or 100 Vac 50/60 Hz
Maximum Input Power	260 VA	310 VA
Bakeout Temperature	120°C at inlet [CFF Flanges] 80°C at inlet [KF/ISO Flanges]	120°C at inlet [CFF Flanges] 80°C at inlet [ISO Flanges]
Communication	RS-232 - Analogical I/O	RS-232 - Analogical I/O
Weight	16.7 Kg [36.8 lbs]	20.1 Kg [44.3 lbs]

* Pump nominal speed: TwisTorr 74FS N₂: 60 L/s; TwisTorr 304FS N₂: 250 L/s

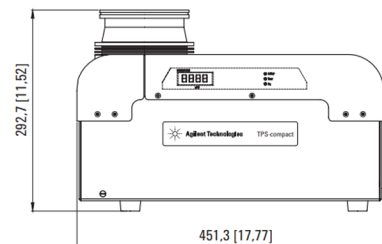
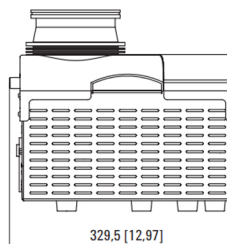
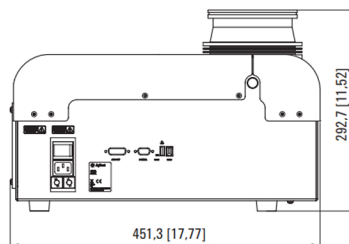
** According to standard DIN 28 428

Dimensions

TPS-compact with
TwisTorr 74 FS
ISO 63



TPS-compact with
TwisTorr 304 FS
ISO 100



Dimensions: millimeters [inches]



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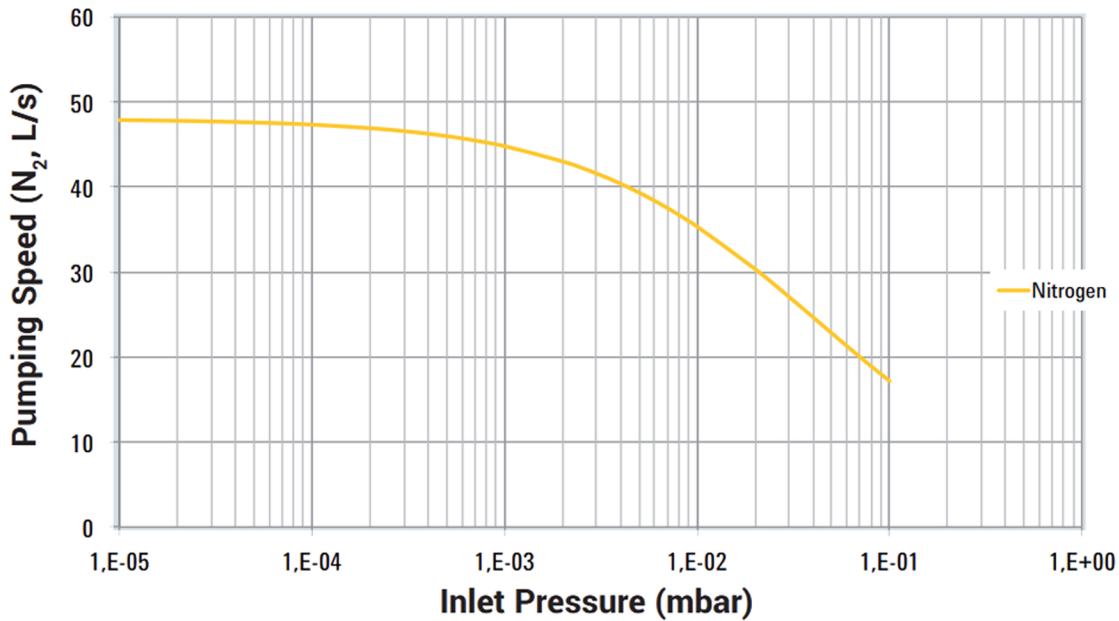
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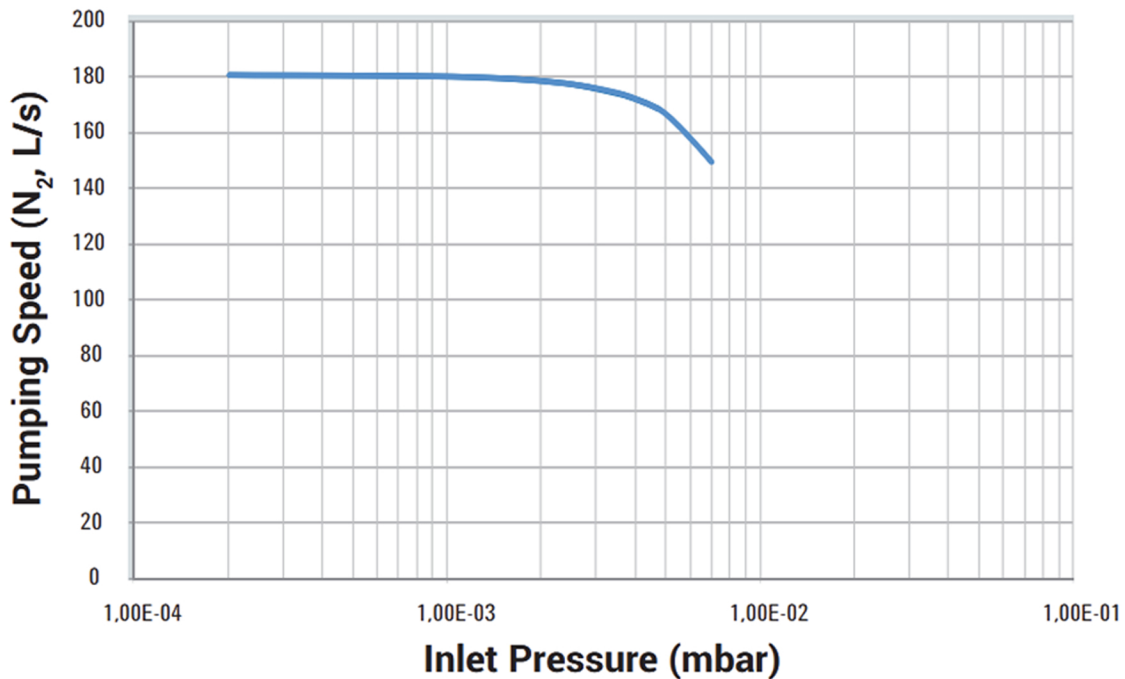
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Agilent TPS Compact Pumping Curves

TwisTorr 74FS



TwisTorr 304FS





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Agilent TPS Compact

Features & Benefits

- flexible, dry, DIY solution
- oil-free solution
- easy plug and pump
- gauge reading capability
- optimized combination of turbo & backing pump
- modular design simplifies customization
- long service life and high reliability

Recommended pumps

- TwisTorr 74FS • TwisTorr 304FS • IDP-3

Applications

- medium size chambers in university laboratories • medical applications
- industrial applications • electron microscopy • mass spectrometry