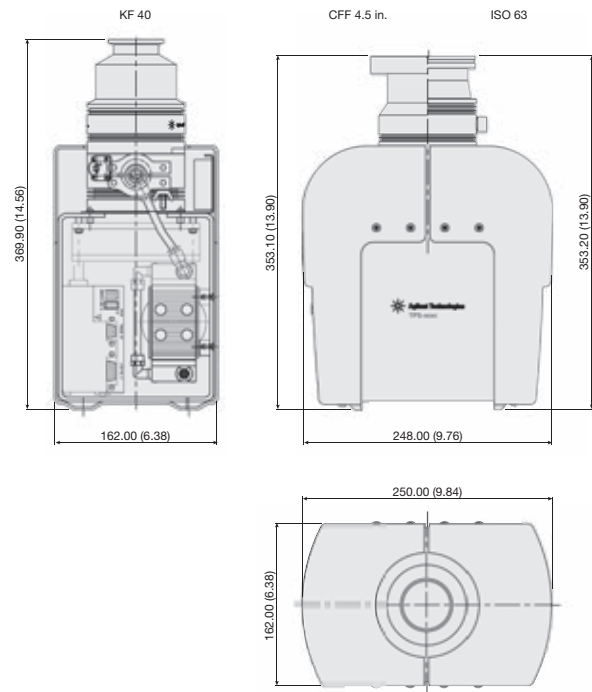


AGILENT TPS TURBO PUMPING SYSTEMS MODELS

▶ Agilent TPS-mini



Dimensions: millimeters (inches)

A small and compact, easy-to-use, integrated dry vacuum system, featuring the new Agilent TwisTorr 84 FS Turbo Pump with improved vacuum performance, backed by a dry 10 l/min diaphragm pump. Operability in any position, no maintenance required. Active Gauge capability, large pressure display, PC connection. Universal voltage (90V/240V), CE/CSA certified.

Features

- New generation turbomolecular pump TwisTorr 84 FS
- Smallest footprint, lightest weight, compact, dry, clean and robust system
- Universal voltage (90 V/240 V) – CE/CSA certified
- RS-232 or analogical communication
- Wide range vacuum gauge driving capability
- Large pressure data display
- Pressure driven set point, analog set point

Benefits

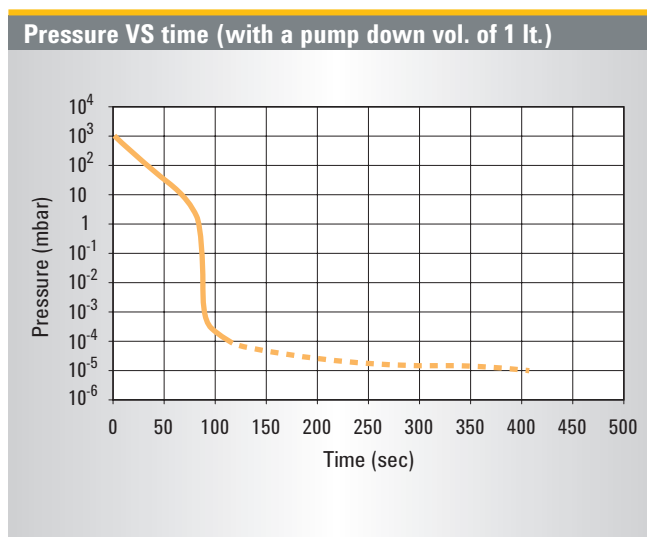
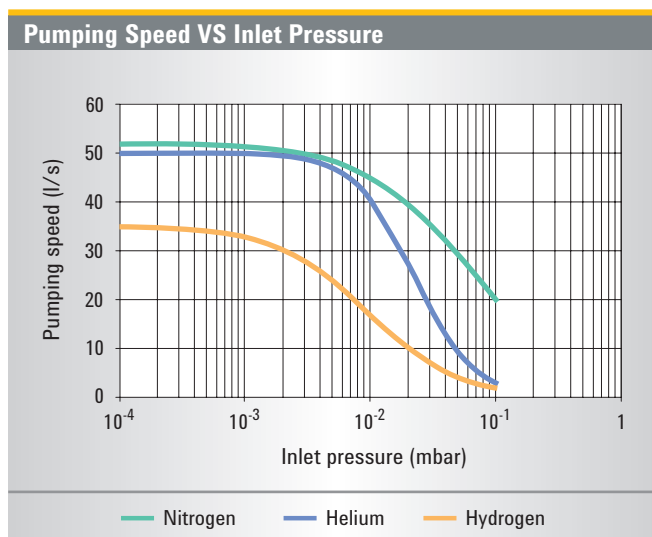
- Designed for demanding applications
- Cost-effective pumping solution for small volumes
- Easy to use: plug and play system; easy PLC & PC interface
- Compatible with world-wide power configurations
- Complies with world-wide safety standards
- Easy system pressure measurement; no external gauge reading unit needed
- Direct mounting on customer's system (no vacuum pipes needed / improved conductance / HW cost saving)

Technical Specifications

		KF40	ISO63	CFF 4 ½"
Pumping speed (l/s) (with inlet screen)	N ₂	38	52	52
	He	30	50	50
	H ₂	24	35	35
Base pressure*		2 x 10 ⁻⁷ mbar	2 x 10 ⁻⁷ mbar	5 x 10 ⁻⁸ mbar
Bakeout temperature		80 °C at inlet	80 °C at inlet	120 °C at inlet
Shipping weight kg (lbs.)		7.9 kg (17.4 lbs)	7.5 kg (16.4 lbs)	8.8 kg (19.4 lbs)
Pumpdown time (1 liter volume)		60 sec. to 17 mbar; 114 sec. to 1 x 10 ⁻⁴ mbar; 140 sec. to 5 x 10 ⁻⁵ mbar		
Turbo pump rotational speed		81,000 rpm		
Start-up time		122 sec.		
Operating position		Vertical, Horizontal, Upside down position		
Operating ambient temperature		5 °C to 35 °C / 32 °F to 122 °F		
Input voltage and frequency		90V to 240V AC; 50 Hz / 60 Hz		
Maximum input power		220 VA		
Serial communications		RS-232 cable, 9-pin D-type male, 9-pin D-type female, T-Plus Navigator Software		

* According to standard DIN 28 428.

TPS TURBO PUMPING SYSTEMS



Ordering Information

TPS-mini	KF40	ISO63	CFF 4 ½"
	G8703A#020	G8703A#021	G8703A#022

Accessories

DIY Full Range Gauge Kit*	9699190	9699192	9699193
Connection kit-gauge	9699180	9699181	9699182
Mains cable EU plug**, 3 meters	9699957	9699957	9699957
Mains cable NEMA plug**, 3 meters	9699958	9699958	9699958
Serial Cable and T-Plus Software***	9699883	9699883	9699883
Inlet Screen for TwisTorr 84 FS Turbo Pump	9699309	9699300	9699300

NOTE Special Vent Valve available on request

* The DIY Gauge Kit can be ordered separately, and includes Full Range Gauge FRG-700, Cable for gauge connection, Vacuum Tee and Connecting Hardware (Flanges according to the System inlet flange)

** Power Cord to be ordered separately

*** Software available for free download at: <http://www.chem.agilent.com/Library/software/Public/Agilent%20T-plus%201.2.4.exe.zip>