

Agilent TPS-mini



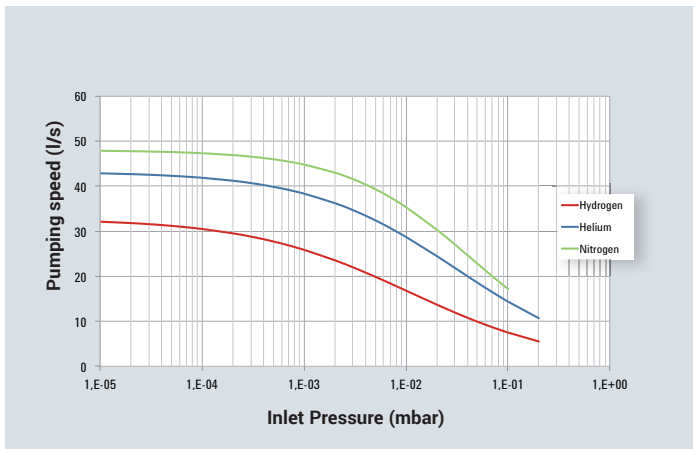
A small and compact, easy-to-use, integrated dry vacuum system, featuring the new Agilent TwisTorr 74 FS Turbo Pump with improved vacuum performance, backed by a dry 10 L/min diaphragm pump. Operability in any position, no maintenance required. Active Gauge capability, large pressure display, PC connection. Universal voltage (90V/240V), CE/CSA certified.

Technical Specifications

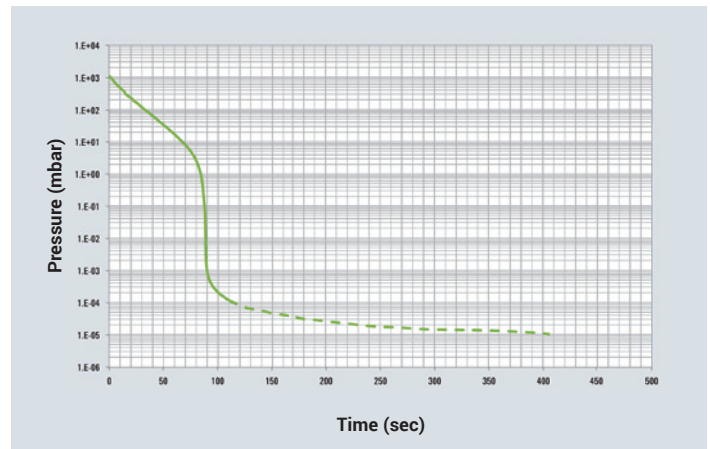
		KF 40	ISO 63	CFF 4.5 in.
Pumping Speed (L/s) (with inlet screen)	N ₂	37	48	48
	He	29	44	44
	H ₂	23	32	32
Base pressure*		2 x 10 ⁻⁷ mbar	2 x 10 ⁻⁷ mbar	5 x 10 ⁻⁸ mbar
Bakeout temperature		80 °C at inlet	80 °C at inlet	120 °C at inlet
Pumpdown time (1 liter volume)	60 sec. to 17 mbar; 114 sec. to 1 x 10 ⁻⁴ mbar; 140 sec. to 5 x 10 ⁻⁵ mbar			
Turbo pump rotational speed	70.000 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, A-Plus Software			

* According to standard DIN 28 428

Pumping Speed vs Inlet Pressure



Pressure vs Time (with a pump down vol. of 1 L)



Ordering Information

	KF 40	ISO 63	CFF 4.5 in.
TPS-mini	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 A-Plus Software ***	9699883	9699883	9699883
Inlet Screen for TwisTorr 74 FS Turbo Pump	9699309	9699300	9699300

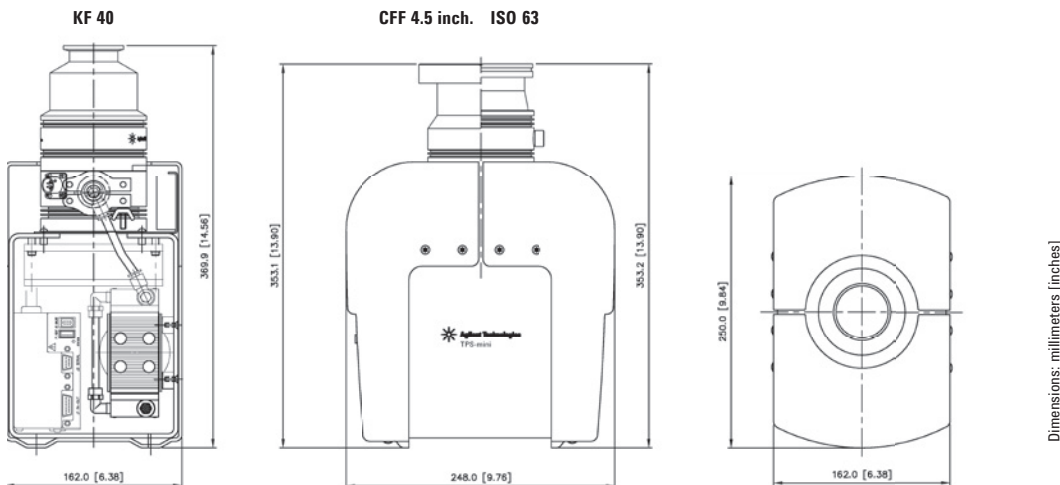
NOTE Special Vent Valve available on request

* 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: <https://www.agilent.com/en/products/software-informatics/vacuum-products-data-management/a-plus-software>

Outline Drawing



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Published in the USA, November 15, 2018
5994-0538EN