



ExploraVAC System Data Sheet

Part Number	P1012099	Entry Level Vacuum Test System
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		Comments/Notes
System Platform	ExploraVac Base System	
Vacuum Chamber		
Size	12 x 12 x 12 in (30 x 30 x 30 cm)	Internal dimensions
Material	304 stainless steel	Welded chamber
Volume	1 cu ft (28 L)	Internal volume
Vacuum Pumping		
Rough Pump	Edwards nXDS10i	Dry scroll pump
Roughing Speed	6.7 cfm (11.4 m ³ hr ⁻¹) **	
Turbo Pump	N/A*	
Turbo Speed	N/A*, **	
Vacuum Gauges		
Gauge Models	Granville 475 single Convector	
Measurement Range	1x10 ⁻⁴ Torr to atmosphere	
Control Interface	Integrated button panel	Illuminated tactile controls
System Pressure		
Operating Pressure	7x10 ⁻³ Torr to 1 atm	
Altitude Control	N/A*	
Thermal Platen		
Temperature Range	N/A*	
Heating Power	N/A*	
Cooling Power	N/A*, **	
System Package		
System Weight	575 lbs (260 kg)	Approximate dry weight
System Size	33 x 36 x 60 in (84 x 91 x 152 cm)	
Onboard Air Source	150 psi regulated, 2 gallon capacity	Power for pneumatic valves
System Power		
Input Voltage	208-240 VAC w/neutral, single phase	
Input Frequency	50-60 Hz	
Input Current	20 Amps (at max load)	
Recommended Service	20 Amps, 220 Volts	
Operating Environment		
Temperature	50 °F to 86 °F (10 °C to 30 °C)	Ambient room temp
Humidity	5% - 80%	
Connections		
Chamber Vent	KF-16 (to atmosphere)	Chamber vents to atmosphere
Chamber Gas Purge	N/A*	
Pump Exhaust	KF-25	Connectable to facility exhaust

*Options marked as N/A are not included in this system build.

**Peak capability shown. Refer to detailed option specifications for performance curve data.

Ideal Vacuum Products, LLC
5910 Midway Park Blvd NE
Albuquerque, NM 87109 USA

Phone: 505-872-0037
Fax: 505-872-9001
info@idealtvac.com
www.idealtvac.com

