



ExploraVAC MAX System Data Sheet

Part Number	P1012106	Altitude Simulation Vacuum Test System
		Comments/Notes
System Platform	ExploraVac MAX System	
Vacuum Chamber		
Size	24 x 24 x 24 in (30 x 30 x 30 cm)	Internal dimensions
Material	304 stainless steel	Welded chamber
Volume	8 cu ft (226 L)	Internal volume
Vacuum Pumping		
Rough Pump	Edwards nXDS20i	Dry scroll pump
Roughing Speed	13.0 cfm (22.0 m ³ hr ⁻¹) **	
Turbo Pump	N/A*	
Turbo Speed	N/A*, **	
Vacuum Gauges		
Gauge Models	Granville 475 Single Convectron	
Measurement Range	1x10 ⁻⁴ Torr to atmosphere	
Control Interface	Integrated touch screen	AutoExplor Software
System Pressure		
Operating Pressure	2x10 ⁻² Torr to 1 atmosphere	
Altitude Control	250,000 ft to local elevation	Software setpoint control
Thermal Platen		
Temperature Range	N/A*	
Heating Power	N/A*	
Cooling Power	N/A*, **	
Chamber Heating		
Temperature Range	N/A*	
Heating power	N/A*	
System Package		
System Weight	1310 lbs (594 kg)	Approximate dry weight
System Size	33 x 36 x 80 in (84 x 91 x 203 cm)	
Onboard Air Source	N/A*	
System Power		
Input Voltage	208-240 VAC, 50-60 Hz	w/neutral, single phase
Input Current	20 Amps (at max load)	
Recommended Service	20 Amps, 220 Volts	
Operating Environment	50°F to 86°F (10 °C to 30 °C) 5% - 80% Humidity	Ambient room conditions
Connections		
Chamber Vent	KF-16 (to atmosphere)	Chamber vents to atmosphere
Chamber Gas Purge	½" Swagelok (to gas source)	250 psig max input
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.