



## ExploraVAC MAX System Data Sheet

Part Number	P1012111	Advanced Universal Vacuum Test System
		Comments/Notes
<b>System Platform</b>	ExploraVac MAX System	
<b>Vacuum Chamber</b>		
Size	24 x 24 x 24 in (30 x 30 x 30 cm)	Internal dimensions
Material	6061 aluminum	Welded chamber
Volume	8 cu ft (226 L)	Internal volume
<b>Vacuum Pumping</b>		
Rough Pump	Edwards nXDS20iC	Dry scroll pump, corrosive rated
Roughing Speed	13.0 cfm (22.0 m <sup>3</sup> hr <sup>-1</sup> ) **	
Turbo Pump	Pfeiffer HiPace 300	
Turbo Speed	300 L/s**	
<b>Vacuum Gauges</b>		
Gauge Models	Granville 358 Ion(1) + Convectron(2)	
Measurement Range	1x10 <sup>-9</sup> Torr to atmosphere	
<b>Control Interface</b>	Integrated touch screen	AutoExplor Software
<b>System Pressure</b>		
Operating Pressure	1x10 <sup>-7</sup> Torr to 1 atm	
Altitude Control	250,000 ft to local elevation	Button panel setpoint control
<b>Thermal Platen</b>		
Temperature Range	-70 °C to 400 °C	
Heating Power	5000 W	Resistive heating
Cooling Power	600 W**	Cascade refrigerated, closed loop
<b>Chamber Heating</b>		
Temperature Range	Ambient to 140 °C	
Heating power	7,000 W	Resistive heating
<b>System Package</b>		
System Weight	1103 lbs (500 kg)	Approximate dry weight
System Size	33 x 36 x 80 in (84 x 91 x 203 cm)	
<b>Onboard Air Source</b>	150 psi regulated, 2 gallon capacity	Power for pneumatic valves
<b>System Power</b>		
Input Voltage	208-240 VAC, 50-60 Hz	w/neutral, single phase
Input Current	90 Amps (at max load)	
Recommended Service	90 Amps, 220 Volts	
<b>Operating Environment</b>	50 °F to 86 °F (10 °C to 30 °C) 5% - 80% Humidity	Ambient room conditions
<b>Connections</b>		
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.