



ExploraVAC System Data Sheet

| Part Number | P1012092 | High Vacuum Test System |
|------------------------------|---|---------------------------------|
| | | Comments/Notes |
| System Platform | ExploraVac Base System | |
| Vacuum Chamber | | |
| Size | 20 x 20 x 20 in (51 x 51 x 51 cm) | Internal dimensions |
| Material | 304 stainless steel | Welded chamber |
| Volume | 4.6 cu ft (130L) | Internal volume |
| Vacuum Pumping | | |
| Rough Pump | Edwards nXDS20i | Dry scroll pump |
| Roughing Speed | 13.0 cfm (22.0 m ³ hr ⁻¹) ** | |
| Turbo Pump | Pfeiffer HiPace 300 | |
| Turbo Speed | 300 L/s** | |
| Vacuum Gauges | | |
| Gauge Models | Granville 358 Ion(1) + Convectron(2) | |
| Measurement Range | 1x10 ⁻⁹ Torr to atmosphere | |
| Control Interface | Integrated button panel | Illuminated tactile controls |
| System Pressure | | |
| Operating Pressure | 1x10 ⁻⁷ Torr to 1 atmosphere | |
| Altitude Control | N/A* | |
| Thermal Platen | | |
| Temperature Range | N/A* | |
| Heating Power | N/A* | |
| Cooling Power | N/A*, ** | |
| System Package | | |
| System Weight | 850 lbs (386) | Approximate dry weight |
| System Size | 33 x 36 x 79 in (84 x 91 x 201 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.

