
Appendix C:

CentriVap Specifications

This Appendix contains technical information about the CentriVap including specifications, environmental operating conditions, wiring diagrams and evaporation rates.

Electrical Specifications

- Nominal amperage for 115V CentriVap Concentrator (model 7810010, 7810014 & 7810016) (excluding vacuum pump): 3.1A (with vacuum pump) 12.00A max.
- Nominal amperage for 230V CentriVap Concentrator (model 7810011, 7810015 & 7810017) (excluding vacuum pump): 1.6A (with vacuum pump) 6.0A max.
- Nominal amperage for 115V CentriVap Concentrator (model 7810012) (excluding vacuum pump): 5.1A (with vacuum pump) 12.0A max.
- Nominal amperage for 230V CentriVap Concentrator (model 7810013) (excluding vacuum pump): 2.6A (with vacuum pump) 6.0A max.
- Nominal amperage for 115V/60Hz Cold Trap (-50° Models): 6.0A.
- Nominal amperage for 230V 50/60Hz Cold Trap (-50° Models): 2.5A.
- Nominal amperage for 115V/60Hz Cold Trap (-85° Models): 10.0A.
- Nominal amperage for 230V 50/60Hz Cold Trap (-85° Models): 5.1A.
- Nominal amperage for 115V 60Hz Cold Trap (-105°C Models): 13A.
- Nominal amperage for 230V 50/60Hz Cold Trap (-105°C Models): 7A.
- Frequency: All Concentrators – 50/60 Hz.
- Phase: Single
- Rotor Speed: Up to 1,725 RPM

Environmental Conditions

- Indoor use only.
- Maximum altitude: 6562 feet (2000 meters).
- Ambient temperature range: 41° to 104°F (5° to 40°C).
- Maximum relative humidity: 80% for temperatures up to 88°F (31°C), decreasing linearly to 50% relative humidity at 104°F (40°C).
- Main supply voltage fluctuations not to exceed $\pm 10\%$ of the nominal voltage.
- Transient overvoltages according to Installation Categories II (Overvoltage Categories per IEC 1010). Temporary voltage spikes on the AC input line that may be as high as 1500V for 115V models and 2500V for 230V models are allowed.
- Used in an environment of Pollution degrees 2 (i.e., where normally only non-conductive atmospheres are present). Occasionally, however, a temporary conductivity caused by condensation must be expected, in accordance with IEC 664.