



Engineering Specification for Guardian Oxygen Concentrators

Project Name: _____

Oxygen Output/ LPM _____

Design Criteria Guardian Models OC4 to OC75-12-120V

Guardian Manufacturing Air Cooled Oxygen Concentrators Pressure Swing Adsorption or PSA fractionators are enclosed inside a NEMA12 grey powder coat UL508 cabinet with Guardian Stealth Filter Technology producing 88% to 93% pure oxygen at -60° F from 1 to 75 LPM. System to include rotometer, pressure regulator and integral servo motor on the PSA fractionator. All systems above 15 LPM shall incorporate compressor rack mounting. System equal to or less than 15 LPM shall have the compressor mounted inside the enclosure.

Control:

Oxygen system control is from a dry contact 120 volt or 240 volt and 24 volt ON/OFF relay link or PLC from the ozone machine.

Compressed Air Supply Requirements for units using plant air pressure:

Regulated, clean, filtered and dry air must be supplied to the unit. Inlet pressure set for a maximum of 40 psi.

Electrical Power Requirement:

120/240 volt, single phase, 3 to 20 amps