



PAS-100 PURGE AIR CONDITIONING SYSTEM

TECHNICAL SPECIFICATIONS

The Purge Air Conditioning System is capable of simultaneously providing purge air for up to nine (9) evaporative emissions canisters, each purging at 22.7 slpm.

The sample flow rate is adjustable up to 226 slpm (8 SCFM).

The air temperature is adjustable from 15.5° C - 32° C (60° F to 90° F) at an ambient room temperature of 24° C (75 °F). The temperature alarm limits are preset at 20° C (68° F) (low alarm) and 30° C (86° F) (high alarm).

The relative humidity is adjustable from 20% to 80%. The relative humidity alarm limits are configurable.

SYSTEM POWER REQUIREMENTS

Voltage: 115VAC, 1 Phase, 60 Hz – Current: 15 A

Voltage: 230VAC, 1 Phase, 50 Hz – Current: 10 A

ACCURACY

The humidity reading is accurate to +/- 3% RH @ 25 °C (77 °F).

The temperature reading accuracy is +/- 0.5 °C (1.0 °F).

VARIABLE-SPEED PUMP

The peristaltic pump has a pumping capacity of 21 sccm with a pump head speed limitation of 100 RPM.

The Osmosis Water Purification System is available as an add-on option.

OPERATING TEMPERATURE

The maximum ambient temperature for the system is 40 °C (105 °F).



2 Station - 2 Scale system with Purge Air System attached

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REGENERATIVE DESICCANT AIR DRYER

DRYER CAPACITY //	-40 °F (-40 °C) pressure dew point
FLOW CAPACITY //	8 SCFM @ 100 psi (226 slpm)
MAXIMUM TEMPERATURE //	100 °F (38 °C)
MAXIMUM PRESSURE //	150 psi (1034 kPa)

PRESSURE REQUIREMENTS

AIR // The maximum pressure for the compressed air input port is 1034 kPa (150 psi)
The minimum pressure is 345 kPa (50 psi)

WATER // The maximum pressure for the clean water supply is 552 kPa (80 psi)
The minimum pressure is 34 kPa (5 psi)

PHYSICAL SPECIFICATIONS

WEIGHT // The Purge Air Conditioning System weighs approximately 227 kg / 500 lbs.

DIMENSIONS // The enclosure measures approximately:

- Height:** 1981 mm (78 inches)
- Width:** 686 mm (27 inches)
- Depth:** 762 mm (30 inches)
