

# Small Air Dryer for laboratory applications

## 10 lpm Air Dryer

Air drying equipment is becoming increasingly important for ozone systems. Removing the moisture is critical to long term operation. This unit can reduce ozone generator maintenance and increases output.



### Features

- Years of use before maintenance
- automatically recharging
- 2-year warranty
- Visual indicator lets user know when something is wrong
- CSA & ETL Certified
- extremely reliable - only one moving part!

Product ID: **V-10**  
 In Stock: **Yes**  
 Price: **\$895**

### Specifications

**Air Drying Concept** Two automatically recharged alumina desiccant cylinders. Vacuum driven, compressor not required.

**Process Gas** Ambient air from room, free of dust and oil.

**Dry Air Capacity** Up to 10 L/min (19.5 SCFH) ambient air at 85% R.H. or 35°C (95-deg F)

**Resulting Dew Point** -40°C or better. Dew point indicator (blue crystals) included.

**Power** 120V/60Hz, maximum 0.65A, average 80W.

**Dimensions** 18" x 10" x 4" (457mm high x 245mm wide x 102mm deep) Powder coated aluminum cabinet with key holes for wall mounting.

**Weight** 25-lbs

**Warranty** 2-years

**Air Flow** Approximately 12-in (30cm) of water column at full flow (10 lpm).

**Resistance**

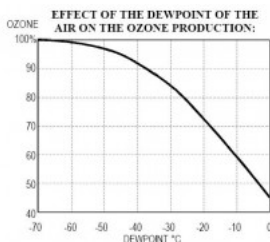
**Environmental Limits** Max 55-deg F Dew Point (see chart on the right)

### V-10 Air Dryer



The V-10 air dryer is shown with its color changing indicator.

### Dry Air Chart for Ozone Generation



The chart shows relative ozone output vs. increasing dewpoint in the feedgas. Notice how the ozone production decreases as dewpoint increases. This action is true of all ozone generators, no matter who the manufacturer is!

### Environmental Conditions

55°F (12.8°C) Dewpoint  
 Temperature vs. Relative Humidity

Ambient Temp F	Ambient Temp C	Max. Allowable R.H.
55	12.8	99%
60	15.6	82%
65	18.3	70%
70	21.1	59%
75	23.9	49%
80	26.7	42%
85	29.4	35%
90	32.2	30%
95	35.0	26%

The OZ-2AD will dry the air in an environment with a maximum dew point of 55-deg F. Use this chart to evaluate the maximum temperature and humidity necessary to achieve this dew point.