

AD-Series Air Dryers

The AD-Series are automatic heat regenerative Desiccant Air Dryers and designed to meet the feed gas requirements of the OzonZ™ Corona Discharge Ozonators.

They are robust and simple to operate, install and maintain. Build with premium quality components, these machines will give years of economical performance.

They can operate 24 hours per day at 75% ambient humidity. Operating outside these parameters we recommend the use of an Oxygen Concentrator.

Features

- Uses activated alumina desiccant for greater moisture adsorption
- Build-in gas flow gauge
- User friendly LED indicating panel
- Micro-processor based active regeneration process
- Key holes for easy wall mount
- Vacuum driven i.e. from a venturi injector
- Optional: indicating desiccant

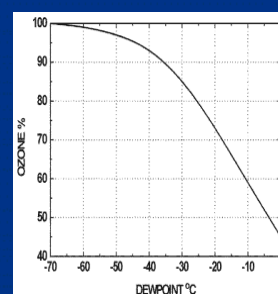


Technical Data

| Model | AD-100 | AD-200 |
|------------------------------|--|------------------|
| Air Flow | 16 SCFH (8 lpm) | 30 SCFH (16 lpm) |
| Dew point | -50 °C or better | -50 °C or better |
| Power (Watt) | 80 | 160 |
| Supply | 220-240Vac / 50Hz | |
| Weight (kg) | 6 | 7 |
| Dimensions LxWxH (mm) | 455 x 190 x 160 wall mounted powder coated steel cabinet Two key holes allow easy mounting | |
| Operating conditions | 0-35 °C (non condensing) 75% Relative Humidity | |
| Power Inlet | IEC 3-pin male socket | |
| Gas outlet fitting | 1/4" Barbed (6 mm) | |
| Warranty | One year back to factory. Premature depletion of the desiccant is not covered under the warranty | |

Benefits

- As the moisture content or Relative Humidity (R.H.) of the feed gas rises, the ozonator's ability to produce ozone decreases. A 'typical' reduction of 50% in ozone output can be experienced by running from ambient air at 60% R.H.
- When using properly dried air, the need for cell maintenance and cell fouling is dramatically reduced. Moisture in the feed gas causes nitric acid to build up in Corona Discharge cells, reducing their performance and increasing the frequency of periodic cleaning and / or replacement of critical parts.
- The use of dry air assures a constant rate of ozone production at a constant concentration, regardless of the relative humidity. If the feed air is not dry, the output of the ozone generator can vary substantially as the relative humidity changes.



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