

## Magnum-600 Air Dryer Manual

### Installation:

Place the Magnum-600 near the ozone generator and connect an appropriate barbed fitting to the 1/4" FPT end. It does not matter which end and orientation is not important. Place the moisture indicator between the Magnum-600 & the ozone generator. Connect with poly tubing. A maximum distance of 6-ft between the Magnum-600 & the ozone generator is recommended.



### Regeneration:

The Magnum-600 contains air drying desiccant that requires regeneration after use. The frequency of regeneration is dependent on moisture content of the air. The unit is designed to dry 600-ft<sup>3</sup> of air before regeneration assuming an average relative humidity of 50% R.H. Higher moisture content results in more frequent regeneration.

### Moisture Indicator



The moisture indicator (left) will alert you to when the Magnum-600 requires regeneration. The indicator on the left is blue which means that the air is very dry, and suitable for ozone generation. The indicator on the right is purple/pink, which means the Magnum-600 must be regenerated. The indicator does not need to be regenerated. It will revert to a blue color once the air from a regenerated Magnum-600 passes through it.

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To regenerate the catalyst you must:

- remove any plastic fittings attached to the ends
- place the entire Magnum-600 in the oven with one end raised \*
- bake at 350-deg for 3 hours

\* Ensure that one end of the Magnum is at least 4 inches above the other end. This ensures proper convection currents to pull moisture out of the desiccant bed.

Be very careful handling the Magnum-600 after heating. The vessel will be VERY hot. Once the unit has cooled sufficiently, place end caps on the unit if it is not going into service promptly. This ensures the desiccant does not absorb moisture during storage.

### End view of Magnum-600



Stainless steel fittings are easily removed in the event the air-drying desiccant ever needs replacing. Replacement desiccant can be purchased through Ozone Solutions, Inc.