

# Phoenix 1800

## Mobile Desiccant Dehumidifier

### Perfect First-Responder and Complete Mobile Drying System!

The Phoenix 1800 Desiccant provides a powerful 1800 CFM of process air while drawing only 16 amps at 115 volts. The 1800 is also constructed of durable, weather resistant stainless steel and uses an advanced silica gel rotor. Amazingly, the Phoenix 1800 has up to 6 days run time on only 100 gallons of propane, beating all other desiccants in its class. This easy-to-use, reliable 1800 CFM desiccant is up to six times more efficient than competitive heat-based systems!

The Phoenix 1800 system is a complete mobile drying system including a high capacity, high efficiency desiccant dehumidifier, a 16ft. tandem axle V-nose trailer with electric brakes, a 120 gallon DOT approved propane cylinder, and plenty of space to transport Phoenix Air Movers, Phoenix LGRs, flexible ducting, or anything else you might need to help speed your drying at the job site.

The Phoenix 1800 Desiccant Drying System is the perfect first-responder to any drying emergency.



**Xactimate Code:**  
**WTRDHMDT2K**



### Features

- Dual Axle, V-Nose Trailer
- 115 volts @ 16 amps
- 1800 CFM process airflow
- 1000 pints/day @ AHAM
- 120 Gallon DOT approved Propane Cylinder
- Heavy-duty 4ft. fluorescent interior light
- 6 times more efficient than leading heat trailers
- Corrosion Resistant Stainless Steel Construction



MADISON, WISCONSIN

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## Phoenix 1800 Desiccant System

### Specifications for Phoenix 1800

<b>Part No.</b>	4028001
<b>Desiccant Power</b>	115 Volt, 16 amps
<b>Water Removal</b>	1,000 pints/day @ AHAM (80°F, 60%)
<b>Blower</b>	1800 Process CFM
<b>Operating Range</b>	-10°F to 140°F
<b>Filters</b>	16" x 16" x 2"
<b>Duct Options</b>	14" Flex and Lay-Flat
<b>Trailer</b>	7' x 16' Dual Axle V-nose Trailer (nominal) Rear Ramp Door Dual Side Access Doors
<b>Propane Cylinder</b>	Onboard 120 Gallon DOT Approved LP Tank
<b>Generator</b>	NOT INCLUDED
<b>Warranty</b>	Two years; 1st year Parts and Service 2nd year Silica Gel Rotor

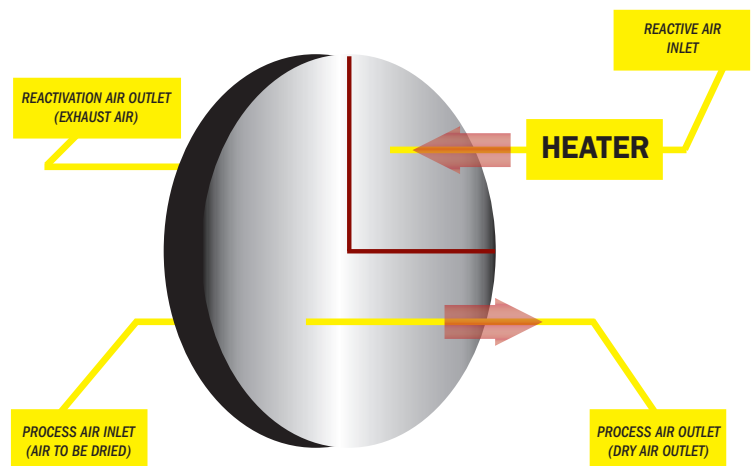
### Popular Accessories And Replacement Parts

4028029	16" x 16" x 2" Aluminum Process Air Filter
4021799	16" x 16" x 2" Pleated Reactivation Air Filter
4028043	14" x 25' Heavy Duty Flex Duct
4024936	14" x 250' Lay-flat Duct
4030115	Reed LM 8000 Multi-Function Meter
4026310	Humiport 10 Thermo-Hygrometer
4034285	Phoenix HM-40
4034345	Phoenix HM-40 W/Probe

### Principles of Operation:

- Unlike refrigeration based dehumidifiers, which chill air below its dew point to condensate the water vapor, the 1800 desiccant based systems act more like a sponge.
- Moisture laden air is drawn through the rotor in the process air stream. The desiccant embedded in the rotor "soaks-up" this moisture and holds on to it.
- The dried process air is ducted into the required area.
- The rotor brings the soaked desiccant into the reactivation air stream where it is heated up.
- The hot air "squeezes" the moisture back into the reactivation air stream as water vapor.
- The wet reactivation air is ducted outside to the atmosphere.
- The 1800 Desiccant simply functions as an air-to-air moisture exchanger, taking moisture out of the process air stream and placing it into the reactivation airstream.

### How Desiccant Dehumidification Works



### Product Features



120 Gallon Propane Cylinder included with the Phoenix 1800 Desiccant System