GAME CHANGING PERFORMANCE

Phoenix D850 - Desiccant Dehumidifier

PORTABLE 50/60Hz DESICCANT DEHUMIDIFIER

The Phoenix D850 provides the perfect blend of portability, versatility, and performance the restoration industry has been seeking in a medium-capacity desiccant dehumidifier. It combines the wide operating range and ultra-low grains of all of the Phoenix desiccants with the portability of an LGR like our Phoenix 250 Max. The included remote humidistat and process blower speed control allow you to tailor the drying to the task at hand. The D850 operates both vertically or horizontally and is perfect for low clearance applications, fitting inside most crawlspaces. The lower carrying handle makes moving the unit down stairs, as well as into and out of a crawlspace, a breeze.

The D850 delivers 850 CFM of ultra-low grain process air and removes a stunning 370 pints per day at AHAM conditions. The true four-hole design (having completely separate process and regeneration airstraeams) allows for positive, neutral, or negative pressurization of the affected area.

FEATURES

- 850 CFM of Process Air Flow
- 370 PPD @ AHAM Water Removal
- Ultra Low Grains or Max Water Removal
- True Four Hole Desiccant
- Operates Vertically and Horizontally
- Runs on 208-240V, 50/60Hz, 50A or 30A
- Small Size and Weight
- Legendary Stainless Construction

When to use:

- D850 is ideal for drying low evaporation materials such as concrete, brick, plaster, and hardwoods.
- D850 performs better in cooler temperatures (below 70°) than refrigerant dehumidifiers
- D850 desiccant is sized for 2 ACH (class 2) for up to 25,500 cu.ft and up to 3 ACH (class 3 & 4) on 17,000 cu.ft

How to use:

- Use Max Water when primarily drying the air
- Use Max Grains when tenting or drying low evaporation materials
- The unit can operate horizontally or vertically
- Duct the reactivation outlet (225 CFM) outside the affected area or into refrigerant dehumidifier(s) with +350 CFM inlet

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SPECIFICATIONS

PART NUMBER

4034000

POWER

208-240VAC, 50/60Hz, Single Phase
30A or 50A branch circuit protection
(24A or 40A actual amp draw)

WATER REMOVAL

370 PPD (175LPD) at 80°F/60% RH (AHAM)

CFM

850 CFM Process Airflow
225 CFM Reactivation Airflow (188 CFM 50Hz)

FILTERS

Pleated 20" x 20" x 2" Media MERV-11 (Process)
Pleated 9" x 11 3/8" x 1/4" Media MERV-11

DUCTING OPTIONS

Process Inlet: 18" or 12" flex-duct (optional)
Process Outlet: 10" lay-flat collar (optional)
Reactivation Inlet: 6" flex-duct (optional)
Reactivation Outlet: 6" flex-duct (required)

DIMENSIONS

	UNIT	SHIPPING
WIDTH:	20" (51cm)	24" (61cm)
HEIGHT	41" (104cm)	47" (119cm)
DEPTH:	23.25" (66cm)	26" (66cm)
WEIGHT:	105 lbs (70.30kg)	173 lbs (78.47kg)

OPERATING RANGE

-10°F to 120°F

WARRANTY

Year 1 - 100% of Parts and Labor

POPULAR ACCESSORIES AND REPLACEMENT FILTERS

4026859	6" Metalized Polyester Flex-Duct 25' (Standard)
4020128	6" Insulated Flex-Duct 25'
4024750	12" Metalized Polyester Flex Duct 25'
4023643	18" Metalized Polyester Flex Duct 25'
4022537	10" Lay Flat Duct 500'
4024935	10" Lay Flat Duct 250'
4024440	Kestrel 3000 Multi-Function Air Meter
4030115	Reed LM 8000 Multi-Function Meter
4027326	25' 240V Cord Kit
4031045	50' 240V Cord Kit
4031046	75' 240V Cord Kit
4031047	100' 240V Cord Kit
4036662	Remote Humidistat

PROCESS AIR FILTER REPLACEMENT
4022636   20" x 20" x 2" MERV 8 Filter (Standard)

REACTIVATION AIR FILTER REPLACEMENT
4027168   9" x 11-3/8" x 0.25" Pre-Filter (Standard)

6in flex-duct

Small storage compartment