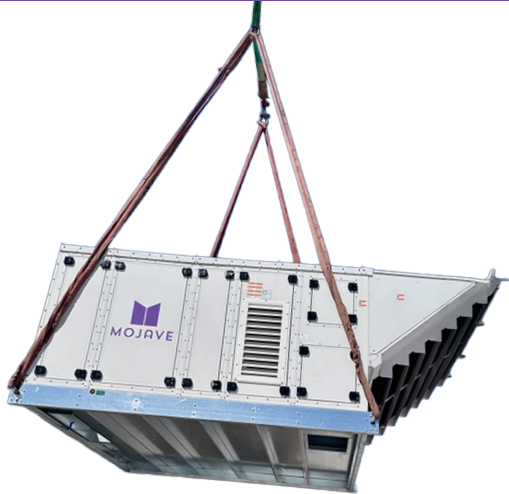




# ARCTIDRY LIQUID DESICCANT HVAC

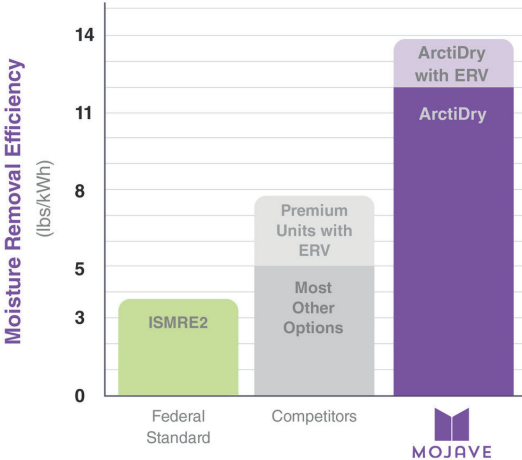


In today's modern commercial buildings, humidity is an even bigger challenge to solve than temperature management. Mojave's ArctiDry products combine two advanced systems in one package: a patented high-efficiency liquid desiccant system for humidity control, and a modern vapor compression system for temperature management. These systems operate independently, enabling precise, optimized control of both dew point and dry bulb. This decoupling drives dramatic energy savings and powerful dehumidification—exactly what today's commercial buildings demand.

## A NEW WAY TO CONTROL TEMPERATURE AND HUMIDITY

ArctiDry's patented liquid desiccant technology increases energy efficiency and lowers costs by integrating cooling, heating and dehumidification. With an unparalleled ISMRE2 rating as high as 12 lbs/kWh, ArctiDry is more than twice as efficient as conventional Dedicated Outdoor Air Systems (DOAS). This moisture removal capability makes ArctiDry an ideal DOAS or dehumidifier, able to deliver air at dewpoints of 35°–55°F.

## Unparalleled Efficiency



## ARCTIDRY BASE MODELS



### ADA

- 1,000–4,000 CFM
- Up to 25 tons
- Up to 290 MBH heat pump
- 100–200 MBH gas heat
- 20–50 kW electric heat



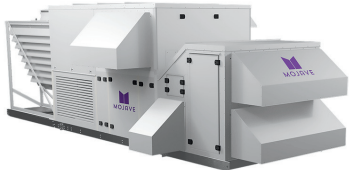
### ADA + ERV

- 1,000–3,500 CFM
- Up to 25 tons
- ERR>50%
- Up to 290 MBH heat pump
- 100–200 MBH gas heat
- 20–50 kW electric heat



### ADB

- 3,000–8,000 CFM
- Up to 60 tons
- Up to 310 MBH heat pump
- 300–600 MBH gas heat
- 40–90 kW electric heat



### ADB + ERV

- 3,000–7,000 CFM
- Up to 60 tons
- ERR>50%
- Up to 310 MBH heat pump
- 300–600 MBH gas heat
- 40–90 kW electric heat

408.675.6020

[mojavehvac.com](http://mojavehvac.com)

[sales@mojavehvac.com](mailto:sales@mojavehvac.com)

## Specifications

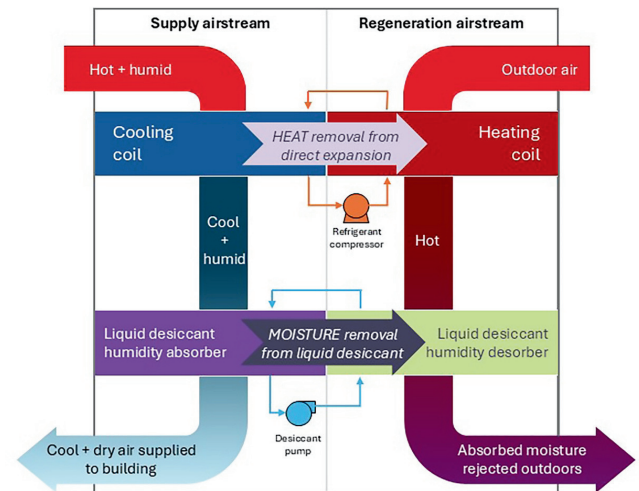
	Cabinet A	Cabinet B
Air Flow	1,000–4,000 CFM	3,000–8,000 CFM
Cooling Capacity	Up to 25 tons	25–60 tons
Moisture Removal Rate	Up to 130 lb/hr	Up to 380 lb/hr
Weight	3,500 lb	6,500 lb
Supply Air Conditions 3 inwg ESP Available	55–75°F DB 35–55°F DP (30–64 gr/lb)	
ISMRE2	Up to 12 lb/kWh 14 lb/kWh with ERV	
Refrigerant	R-454B	
Filtration	Up to 6" Filter Rack	
Electrical	208V / 230V / 460V, 3ph	
Controls	Factory Packaged Controls w/ HMI Modbus, BACnet MS/TP or IP, or LonWorks available	

## Options

- Return Air Opening and Damper
- ERV Wheel
- Inlet and Outlet Damper
- Inlet Hood and Roof Curb
- 10,000 Hour Salt Spray Cabinet Coating
- Condenser Hail Guard
- Supply Air Flow Monitor
- Dirty Filter Switch
- AMCA 550 Louvers

### ARCTIDRY OPERATION

Mojave's patented technology harnesses the natural moisture-absorbing power of liquid desiccants to manage latent loads more efficiently than traditional systems. In an ArctiDry unit, the DX coil does less mechanical work because deep moisture removal happens downstream—allowing the system to use far less energy than traditional overcool-and-reheat approaches.



### KEY FEATURES

**Independent temperature and humidity control**

**Easy to install and maintain, desiccant lasts the life of the unit**

**30–60% energy savings over traditional alternatives**

**Manufactured in the USA**

### APPLICATIONS

#### HIGH VENTILATION

- Multifamily
- Education
- Hospitality
- Outpatient Medical
- Airports

#### HIGH INTERNAL LATENT

- Indoor Agriculture
- Classrooms
- Pools

#### LOW DEW POINT

- Hospitals
- MOB/Medical ASCs
- Supermarkets
- Food Processing
- Manufacturing

#### PRECISE CONTROL

- Data Centers
- Manufacturing
- Industrial Applications



408.675.6020

[mojavehvac.com](http://mojavehvac.com)

[sales@mojavehvac.com](mailto:sales@mojavehvac.com)