

Cost-effective equipment rental: Humidity and Temperature Control

Always By Your Side.



Overview

Reduce your environmental control costs using Polygon's advanced line of dehumidification and temperature control equipment. Because Polygon offers a complete line of equipment along with the engineering expertise to size and integrate a system specific to your needs, you can reduce your energy consumption while ensuring job-site dependability. With experience from more than 20,000 projects, we have the 'know-how' and the equipment to help you work without delays, while maintaining temperature and humidity requirements at the lowest possible cost.

Polygon application knowledge can help with humidity and temperature control in:

- Manufacturing processes
- Blasting and coating operations
- Condensation control in food processing
- Power plant lay-up and turn-around
- Construction drying
- Dozens of other industrial applications

Equipment options

Polygon will supply as much or as little as you need. We provide ductwork, inlet/outlet transitions, oversize blowers, high static blower units, transformers, and gas or steam-regenerated dehumidifiers. Equipment can be adapted to a range of voltages. Generally, equipment is provided on skids with forklift slots.

Dependable operation

Polygon rents only dependable, well-maintained equipment designed to meet the demands of the job site. All equipment is routinely inspected and serviced at regional centers, and our large inventory allows us to add or replace equipment on very short notice.

Off site equipment monitoring

Polygon is the only company to offer ExactAire®, the web-based remote monitoring system that gives you real time information on the Polygon system as it is working for you. With ExactAire, power failures or weather changes are never an issue because you get a warning in time to avoid problems. A complete record of climate conditions throughout the job proves that the conditions you needed were maintained.

Cost-effective equipment rental



DHI-125 Desiccant Dehumidifier



HCU-6000 Desiccant Dehumidifier



65 Ton Chiller

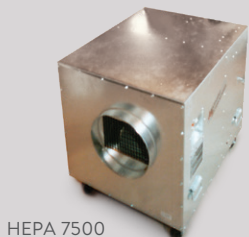
Cooling Coil



HDS-12 Indirect-Fired Heater



HO-150 Electric Heater



HEPA 7500

Desiccant dehumidifiers

Polygon offers a full line of state-of-the-art desiccant dehumidifiers suitable for any size job. With desiccant based equipment, you can achieve the driest air - ensuring complete protection against condensation and other moisture and humidity related problems.

The unique patented PowerPurge® acts as an energy recovery system, collecting waste heat from the hottest section of the desiccant wheel and using it to help with the regeneration. This reduces the energy required for reactivation, while also reducing the discharge temperature of the process air, resulting in lower energy costs for post cooling.

The Polygon HCU product line offers an energy efficient advancement in dehumidification. The design combines cooling and desiccant dehumidification technologies in one package, utilizing the waste heat from the cooling cycle to reactivate the desiccant wheel. In hot, humid climates the HCU outperforms all other technologies with less energy and comfortable outlet temperatures.

DX units

When temperatures are warm, direct expansion dehumidifiers provide humidity control while cooling working areas. Our equipment has been specially modified to include automatic temperature controllers with the capacity to handle wide swings in weather load without work interruptions.

Chillers and cooling coils

Chillers and cooling coils are available to use individually, or in conjunction with our desiccant equipment. The latter allows for greater dew point depression and temperature reduction inside the work area. Rugged and dependable, this equipment is industrial grade, and built with a wide array of applications in mind.

Indirect-fired heaters

High volume indirect-fired heaters from Polygon provide economical heat without introducing fumes or moisture into the work environment. Capacities range from 150,000 to 3.5 million BTUs. These rugged diesel-fired units can extend your working season so that the job gets done!

Electric heaters

Simple to operate and chosen for compatibility with desiccant dehumidifiers, our electric heaters offer safe, flame-free operation. Sized from 15 to 150 kW, Polygon heaters can deliver 1.2 million BTUs.

Filter modules

Three stage filtration are compatible with the full fleet of temporary climate systems. Capable of MERV 17 and higher including the selection of activated carbon.

Model	Volts	Amps
HC-600	460*	18
HC-1125	460*	29
HC-2250	460	52
HCU-3000	460	32
HC-4500	460	110
HCU-6000	460	78
HCU-8000	460	101
HC-9000	460	274
DHI-125	460	272
R-10000	460	265
R-15000	460	440

*Other voltages available.
Natural gas, propane and steam reactivated units available. Other sizes and equipment available.

Size	Volts	Amps Without Heat
DX-1.2 Ton	208	15
DX-3 Ton	208	15
DX-6 Ton	460	18
DX-12.5 Ton	460	30
DX-30 Ton	460	79
DX-60 Ton	460	127
DX-80 Ton	460	246

Model	Volts	Amps
20 Ton	460	50
45 Ton	460	110
50 Ton	460	110
65 Ton	460	200
100 Ton	460	180
200 Ton	460	410
Other sizes and equipment available.		
2250 CFM	115	>2
4500 CFM	115	>2
9000 CFM	115	>2

Model	Volts	Amps
HD-3	110	15
HG-4	115	72
HDS-4	s	
HD-7.5	230/1	30
HD-10	460	15
HDS-12	s	
CUBE 1000	s	
S Heater includes diesel generator for stand alone use.		

Model	Volts	Amps
HO-30 kW	460	40
HO-60 kW	460	74
HO-64 kW	460	80
HO-64 kW Blower	460	88
HO-150 kW	460	180

Note: Transformers are available for 208/240 services.

Desiccant Dehumidifiers

DX Units

Chillers

Cooling Coils

Indirect-Fired Heaters

Electric Heaters