



The ultimate in hybrid dehumidification technology that blends both ventilation and cooling to deliver perfect room conditions – with exceptional energy savings.

WE CALL IT...

# THE HYBRID SERIES

Our Hybrid design provides the simplicity, reliability, and efficiency of ventilation-based dehumidification for indoor pools, plus a refrigeration circuit to provide air conditioning as required.

## The Power of Natural Dehumidification

Typical pool dehumidifiers use a refrigeration circuit to cool air below its dew point and remove moisture, before reheating it and delivering it back to the space. While effective, it can also be desirable to use outdoor air to manage indoor humidity levels when the conditions are right.



The Hybrid Series leverages the potential of dry outdoor air to accomplish dehumidification, while also incorporating a refrigeration circuit to provide sensible cooling that keeps the pool area comfortable.

 **Dectron**<sup>®</sup>  
DRY-O-TRON

## Advantages

- Indoor or outdoor options, various airflow and electrical configurations available.
- Outdoor air-based dehumidification is a cost-effective alternative to mechanical dehumidification in many geographies across North America and reduces energy consumption significantly as the compressor is not used to dehumidify.
- Its simple design makes it easier to service and maintain; smaller refrigeration components cost less to operate and maintain.
- Mechanical cooling keeps the space temperature comfortable by meeting the sensible load.
- Advanced control algorithm precisely modulates outdoor air, using only the minimum necessary to maintain space humidity.
- Direct-drive fan array with ECM motors means lower energy costs and no belts!
- Heat recovery utilizes a glycol runaround loop, reducing the energy cost of pre-heating outdoor air.

## Options

- Sensible air cooling available from 20 to 128 tons or with chilled water coil
- Packaged space heating — hot water, electric, or gas furnace

## Features

- Delivering airflow from 6,000 to 64,000 CFM with ECM driven fan arrays
- Reliable, frost-free heat recovery via glycol loop when needed most (to -29° F / -34° C)
- Fully modulating outside air up to 100%
- Easy-to-clean, fully-coated coils
- Room purge mode

