



ClimatePak[®] VHR Series

The energy efficient and reliable VHR Series provides you with the choice for outside air based indoor pool environmental control. The combination of premium features, outside air usage, and non-mechanical operation makes the VHR Series the choice for indoor pool facilities located at schools, universities, water parks, recreational complexes, athletic centers, and other similar locations in dry outside air climates.

EFFICIENT OUTSIDE AIR DEHUMIDIFIER

- Active airflow monitoring and control with variable speed direct drive fans, and airflow sensing for always delivering the optimal airflows at the lowest energy expenditure
- Vertical heat pipe heat recovery for reliable sensible heat recovery for winter pre-heating of outside air
- Wall condensate prevention sequence activates when needed, allowing for lower-energy-loss design conditions while maintaining building protection

COMPLETE SOLUTION OPTIONS

- Electro-Guard coil coatings for optimal corrosion protection featuring 10-year parts warranty
- Integral auxiliary heat options, including gas furnaces for packaged unit needs
- Chilled water or DX cooling option for additional sensible cooling needs

Supply Air from 9,000
to 40,000 CFM

- Electro-Guard[®] protective coil coating backed by a 10 year, best-in-class, unconditional warranty
- External casing backed by the premium 20 year factory warranty
- 'Cold-Wall' Sensing Technology[™] for unrivaled condensation prevention
- Secure, remote access, factory monitoring system
- Custom-designed vertical heat-pipe providing strong energy recovery performance

DURABLE SYSTEM CONSTRUCTION

1 Protected Critical Components

Critical components within an environmental control system can be damaged by the indoor pool atmosphere. The VHR Series protects these vital components through system design.

- Components like the controls and VFDs are located in easy to access, well protected isolated compartments.
- Critical component protection greatly improves system reliability and the projected system lifespan.

2 Proprietary Developed Vertical Heat Pipe and Damper System

The vertical heat pipe and damper system provides the VHR Series with improved energy efficiency, environmentally friendly processes, and reliable operation.

- Provides assured energy efficiency, with up to 65% energy recovery.
- Frost control designed for trouble-free and effective operation in the coldest climates.

3 Double Wall, Closed Cell Foam Panel Construction

The cabinet construction of the VHR Series is specially designed and highly effective for indoor pool facilities.

- Two inch, double wall, closed cell foam filled panels mounted to an extruded aluminum frame minimizes air loss and infiltration, improving system performance.
- Uses superior light-weight insulation materials, improving thermal resistance and sound dampening.

4 Electro-Guard® Coated Coils

Due to high levels of humidity in your pool room, corrosive, moisture laden air is always moving through the system, leading to an increased chance of component failure.

- Electrostatically applied to provide an even, consistent, barrier against corrosion.
- Provides a chlorine-resistant barrier for your system which prevents coil failure.



5 Variable Speed Direct Drive Fans

Featuring variable speed direct drive fans, the VHR Series uses the latest in technology to provide the best performance, control, and protection for your indoor pool facilities and swimmers. The direct drive fans increase reliability and save you operational and energy costs.

- Maximized air flows improve indoor pool dehumidification performance.
- Features the latest in energy efficient product design and technology.
- Reduces the weight and size of the environmental control system.

6 WeatherGuard™ Protection Package

The VHR Series is designed for elite weather protection, whether its final location is indoors or outdoors. During transportation and facility construction, your system is susceptible to outdoor weather conditions. The WeatherGuard protection package is built into the VHR Series to safeguard your system from the elements while extending its operational lifespan.

- A long lasting, UV and ozone corrosion resistant roofing membrane protects your system from rain infiltration.
- For curb mounted, outdoor systems, there is self-flashing, overhanging base which prevents weather based water leaks into your building and system.
- A sloped diamond plate aluminum floor, with a central drain channel, protects the bottom of your system and allows for complete system cleaning.

PERFORMANCE SUMMARY

ClimatePak® VHR Series	TYPE	015	020	030	040
Moisture Removal Capacity Outside air at rated conditions	Lb./Hr.	162	360	540	720
Outside Air Provision Maximum Outside Air	CFM	9000	20000	30000	40000
Supply Air Provision Maximum Supply Air	CFM	15000	20000	30000	40000
Compressor Input Power	kw	0.0	0.0	0.0	0.0

The ClimatePak® VHR Series is a non-compressorized dehumidification solution.

Rated Conditions | Pool room air: 84°F / 60% R.H. | Pool Water: 80°F | Average outside air dew point 60°F

Due to continuous development the right to alter specifications without notices is reserved. E&OE

With more than 45 years of experience in indoor pool dehumidification equipment manufacturing, PoolPak LLC is the most well-known brand in the industry. Our people and products work daily to improve the quality and comfort of indoor pool environments. PoolPak dehumidification solutions include a variety of heating, ventilation, and air conditioning systems, in addition to an industry-leading PoolPak support network. For more information, please visit www.PoolPak.com.

