

Indoor Pool Dehumidifiers



DEHUMIDIFICATION THAT WORKS

After more than 40 years in business, PoolPak® has built a reputation for providing quality products that truly solve customer’s dehumidification challenges. For reliable dehumidification that works, the only choice is PoolPak.®

STANDARD POOLPAK® FEATURES

- 

Critical components are protected outside of the corrosive airstream
- 

System designed for easy service and maintain
- 

Fully dipped, coated airside coils
- 

Wall condensate prevention
- 

Proven energy, service, and operational expense savings
- 

Recycles energy to pool air or water

ComPak® PCP Series Horizontal & Vertical

CAPACITIES: 2 – 16 TONS | SUPPLY AIR: 600 – 8,000 CFM

Our PCP Series delivers proven, industry-leading design with state-of-the-art energy efficiency and performance enhancements that make it the smartest choice for small to medium size facilities.

- ▶ Quiet, ultra-efficient technology in a small footprint
- ▶ ECM fans and high efficiency scroll compressors
- ▶ Packaged exhaust, purge and heat recovery options
- ▶ Indoor or outdoor packaged options



ComPak® StakPak Series

CAPACITIES: 8 – 32 TONS | SUPPLY AIR: 2,600 – 12,600 CFM

Our PCP StakPak Series is an ingenious innovation that provides twice the dehumidification in the same footprint as a regular unit. It’s compact, two-stage design provides scalable capacity and performance of two complete systems in one.

- ▶ Optional packaged exhaust
- ▶ Independent dual stages provide efficient staging plus redundancy



PoolPak® PPK Series

CAPACITIES: 18 – 128 TONS | SUPPLY AIR: 6,800 – 64,000 CFM

The PPK is the next generation for large swimming pool room dehumidification. The PPK provides exceptional value delivering unparalleled, consistent environment control at a competitive price.

- ▶ Active airflow monitoring and control
- ▶ Modulating reheat for optimal temperature control
- ▶ Indoor or outdoor packaged options
- ▶ Water-cooled refrigeration system

ClimatePak® VHR Series

SUPPLY AIR: 8,000 – 40,000 CFM

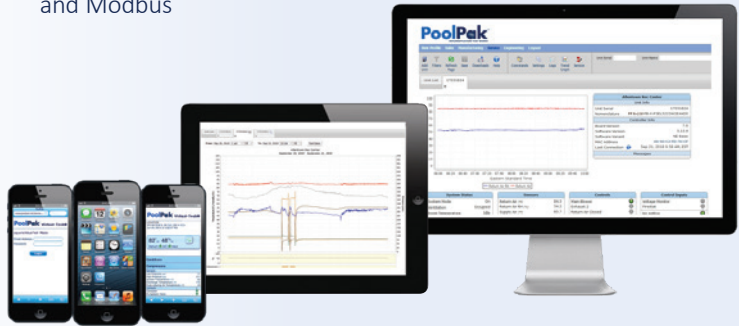
The VHR Series dehumidification system uses naturally dry outside air for moisture removal. It relies on a sophisticated control system along with air measuring stations, direct-drive fans with VFD and motorized dampers maintain setpoint conditions through dilution with outside air.

- ▶ Virtual-Tech® Plus wireless factory monitoring
- ▶ Vertical heat pipe for exhaust air heat recovery
- ▶ Active airflow monitoring and control



Our Virtual-Tech® monitoring service redefines the concept of factory service and support by remotely tracking all the critical functions of your dehumidifier 24/7 — in real time.

- ▶ A standard feature on ComPak and PoolPak® units
- ▶ Simple plug and play Ethernet connection
- ▶ Optional Wi-Fi and cellular connections available
- ▶ Works in parallel with BACnet and Modbus



Product Features

PoolPak builds each and every dehumidifier with technology and features that set the industry standard for performance, reliability and value. For applications ranging from small indoor spas to massive waterparks, we manufacture the largest, most comprehensive product line available.

● = Standard ○ = Optional

	ComPak PCP	PoolPak PPK	ClimatePak VHR
SYSTEM DESIGN			
EVAPORATOR DESIGN			N/A
Enhanced Tube Coils	●	●	
Split Evaporator Coils		●	
Intermediate Drain Pans		●	
Multiple TXVs		●	
FAN DESIGN			
Direct Drive Plenum Fans	●	●	●
Fan Vibrations Isolation Base & Cone		●	
Field Configurable SA Openings	●		
COMPRESSOR PROTECTION			
Up to 85% Less Refrigerant Charge		●	
Pump Down & Crankcase Heaters	●	●	
Oil Monitoring Sensors	●	●	
Oil Separators & Suction Accumulators	●	●	
Voltage Monitors	●	●	
Factory Sealed Refrigerant Charge	○	●	●
DOOR DESIGN			
Auto Grade Door Gaskets		●	
Compression Latches on Doors		●	
Hinged Doors with Door Stops		●	
OTHER GREAT FEATURES			
Packaged Outdoor Units	○	○	
Air Heating (Hot Water, Gas, Electric)	○	○	○
Air Conditioning	○	○	○
Purge/Economizer Mode	○	○	
2 Inch Double-walled Units - Outdoor		●	●
2 Inch Double-walled Units - Indoor		●	●
Outdoor Air Connection	●	●	●
Mirror Access Configurations	●	●	
Small Footprint Systems	●	●	
Retrofit Friendly	●	●	
Compound Sloped Drains	●	●	●
Floor Grates Protect Air Openings		●	●
2 Inch Pleated Filters, 4 Inch Optional	●	●	●
Insulated Dampers, Silicon Side Seals	●	●	
Modulating Gas Heaters	○	○	○
Precision Outdoor Air Balancer	●	●	●
Standard Solenoid Valves	●	●	
Motorized Vertical Evaporator Bypass Damper	●	●	
Fit Through 32 Inch Door Frame	●		
Motorized Outdoor Air Dampers	○	○	●

	ComPak PCP	PoolPak PPK	ClimatePak VHR
GREATER ENERGY EFFICIENCY			
Modulating Reheat		●	
Pool Water Heating	●	●	
Variable Frequency Drives/EC Motors	●	●	●
Backward Inclined Plenum Blowers	●	●	●
Direct Drive Motors (No Belts)	●	●	●
Heat Recovery b/w Exhaust & OA	○	○	○
Unit-Mounted EC Exhaust Fans	○	○	○
Owl Wing Blade Heat Exchanger Fans	●	●	
ADVANCED CONTROL SYSTEMS			
Virtual-Tech® Technology	●	●	
24/7 Internet Monitoring & Control	●	●	●
CommandPak® Control System	●	●	●
Advanced Touchscreen Panel	●	●	
Refrigerant Pressure Transducers	●	●	
Refrigerant Temperature Sensors	●	●	
Flow Switch on Pool Water	●	●	
Remote Operator Panel	○	○	○
BACnet, BACnet IP, Modbus	○	○	○
OPTIMAL CORROSION RESISTANCE			
Service Vestibule Out of Airstream	●	●	●
Fully Coated Airside Coils	●	●	○
Silicone-polyester Enclosure Paint	●	●	
Coated Copper Pipes	●	●	
Corrosion Resistant Fans	●	●	●
Cambered Roof		●	
Cupronickel Coaxial Heat Exchanger	●	●	
Rustproof Bird Screens		●	●
PVC Piping for Water-Cooled Loop	○	○	
EASY TO SERVICE			
Virtual-Tech® Premium Labor Warranty	●	●	
Superior Service Access	●	●	●
Service Vestibule Outside Airstream	●	●	●
Serviceable RH Sensor	●	●	
Control Wires Numbered for Tracing	●	●	
Shutoff Valves to Isolate Refrigerant	●	●	
Manual Stem on Solenoid Valves	●	●	
Liquid Receiver Sight Glasses	●	●	
Removable, Oversized Core Filter Drier	●	●	
Rotolock Connections on Compressor	●	●	
Touch Screen Help Information	●	●	
Compressorless System			●



PoolPak is a Dehumidified Air Solutions company and member of Dehumidified Air Services, a coast-to-coast service network of local customer support specialists. Backed by the real-time remote monitoring of Virtual-Tech® technology and direct access to the engineers who designed and built your dehumidifier, Dehumidified Air Services is the only organization in North America that has the scale and expertise to deliver trouble-free pool dehumidification and unparalleled customer service.

