



AIR DILUTION HEAT RECOVERY POOL SYSTEM | Why do you need it?

- ▶ Creates a healthy, comfortable environment for swimmers and staff
- ▶ Effectively controls temperature and humidity, maintaining all building surfaces above dew point
- ▶ Controls odors in pool areas & throughout the facility
- ▶ Protects the building from condensation and corrosion damage



ADVANCING TOWARDS NET ZERO ENERGY

- ▶ Eligible for utility and state rebates
- ▶ Lower cost to operate, service, and maintain
- ▶ Best-in-class construction for energy efficiency
- ▶ Continuous fresh air 24/7
- ▶ Extended life expectancy
- ▶ 100% purge capacity for pool shocking
- ▶ Industrial grade aluminum
- ▶ Light weight for rooftop installation

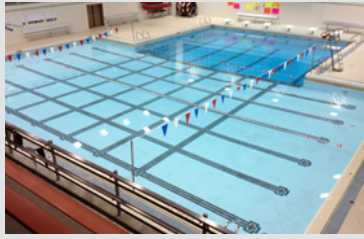


CUSTOMIZED FOR EVERY FACILITY

Offering a customized approach to suit spatial challenges, minimize duct work, and eliminate roofing cost for replacements.

- ▶ Competitive Pools
- ▶ Recreational Pools
- ▶ YMCA's
- ▶ Educational Institutions
- ▶ Indoor Water Parks





SYSTEM COMPONENTS



HEATPIPE

- Finned tubular design
- Permanently sealed
- No moving parts to wear out or maintain
- 50-90% efficiency
- Simple, reliable, highly efficient



FANS & MOTORS

- Direct drive
- Industrial aluminum plenum fan wheels
- Controlled by Variable Frequency Drives
- No belts, bearings, or pulleys
- Room circulation rate and pressure are easily adjustable



CONTROLS

- Built-in DDC control system
- System wired and tested prior to shipment
- Unit mounted temperature/humidity sensor



DAMPERS

- Aluminum construction
- High velocity air foil blades
- Opposed blade design
- Belimo spring return actuators
- 100% modulating control



FILTERS

- Separate filter banks for fresh and return air
- High-capacity pleated air filters
- Available from MERV 7-12



ELECTRICAL

- Single point power connection
- Unit mounted locking disconnect switch
- Individual circuit breakers

WORKING TOGETHER TO MAXIMIZE YOUR ENERGY SAVINGS.

For years, industry standard has been compressorized refrigeration based dehumidifiers that recirculate most of the pool air.

This basic Air Dilution System does not have a refrigeration compressor, so a large amount of electrical energy is displaced - **making these units eligible for rebates through utility companies.**

