

Large Natatorium
Dehumidifier
50 - 120 Tons*



100% Purge

Low Refrigerant Charge

Packaged Water - Cooled



www.desert-aire.com



Meet the SelectAire Flex - built for flexibility where it counts, delivering more capability, more control, and more confidence in demanding applications.

Hit aggressive air-exchange targets without oversizing. Industry-leading CFM per ton helps you achieve ambitious ventilation goals with the right-sized system. When conditions demand a hard reset, true **100% purge** mode clears the space fast while maintaining precise environmental control.

Simplify installation and reduce refrigerant charge. A packaged, fluid-cooled DX platform with fully integrated pump pack delivers a turnkey HVACD solution streamlines startup and day-to-day operation-while minimizing refrigerant charge for added peace of mind.

Maximize efficiency and elevate air quality. A redesigned **glycol-loop** energy recovery system paired with integrated **low-source capture** operates as one coordinated package-driving exceptional energy performance and industry-leading IAQ, even in the toughest environments.





SELECT AIRE FLEX

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STANDARD FEATURES AND BENEFITS



Environmentally Friendly

- Low GWP R-454B offers 75% less global warming potential than R-410A along with minimized, fully contained refrigerant charge
- Glycol energy recovery of energy rich exhaust stream
- Significantly reduced refrigerant charge



Superior Build Quality

- Fully-coated coils for maximum corrosion protection
- All refrigeration components are out of the airstream
- Powder coated, 2-inch double-wall foam construction



Reduce Cost

- Packaged unit offers significantly lower installation cost. Unit arrives fully charged and requires no water or refrigeration piping to the fluid cooler on site
- Energy recovery and high MRE ensures low operating cost
- Premium construction extends the life of the unit and avoids expensive premature replacement costs



Maximum Comfort and Safety

- Integrated Low-Source Capture with energy recovery
- System designed and tuned for efficient moisture removal using an EXV
- Fan array with fully variable airflow for both supply and exhaust
- Direct-drive, backward inclined airfoil plenum fans
- Free pool water heating with reclaimed energy from refrigeration system
- Up to 100% purge



Ease Of Service

- Smart, easy-access cabinet design
- Fluid Cooler reduces complexity of refrigeration system
- Pressure transducers for high and low refrigerant for onboard monitoring of system performance



AireGuard remote monitoring and control

- Advanced extremely robust remote monitoring and tuning
- Cloud-based and accessible from any computer or portable device
- Monitor hundreds of points within the system and the controlled space
- Real time remote adjustments and system tuning

*Initially available up to 80 Tons

