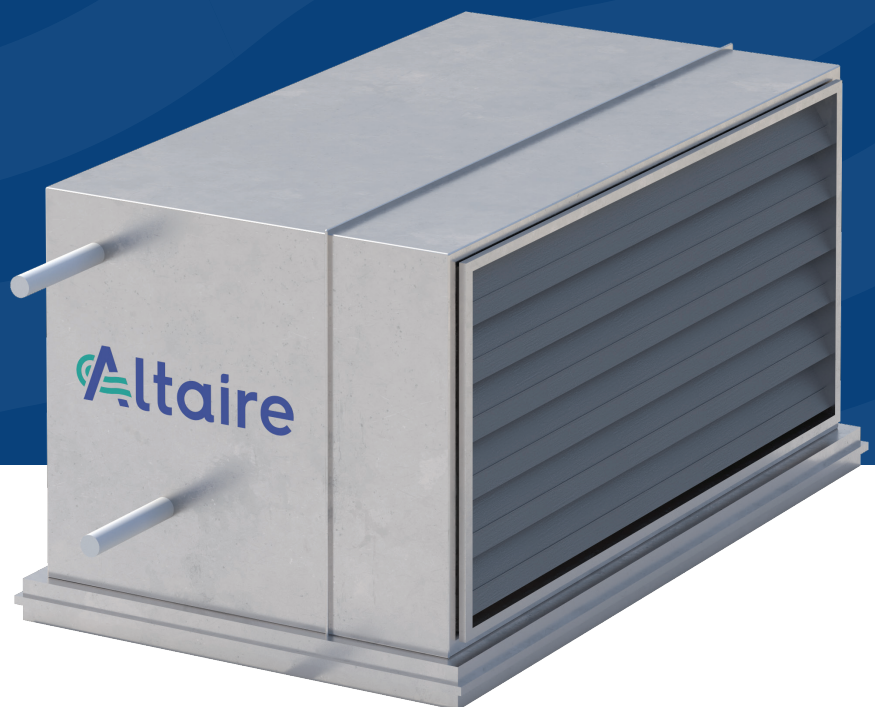


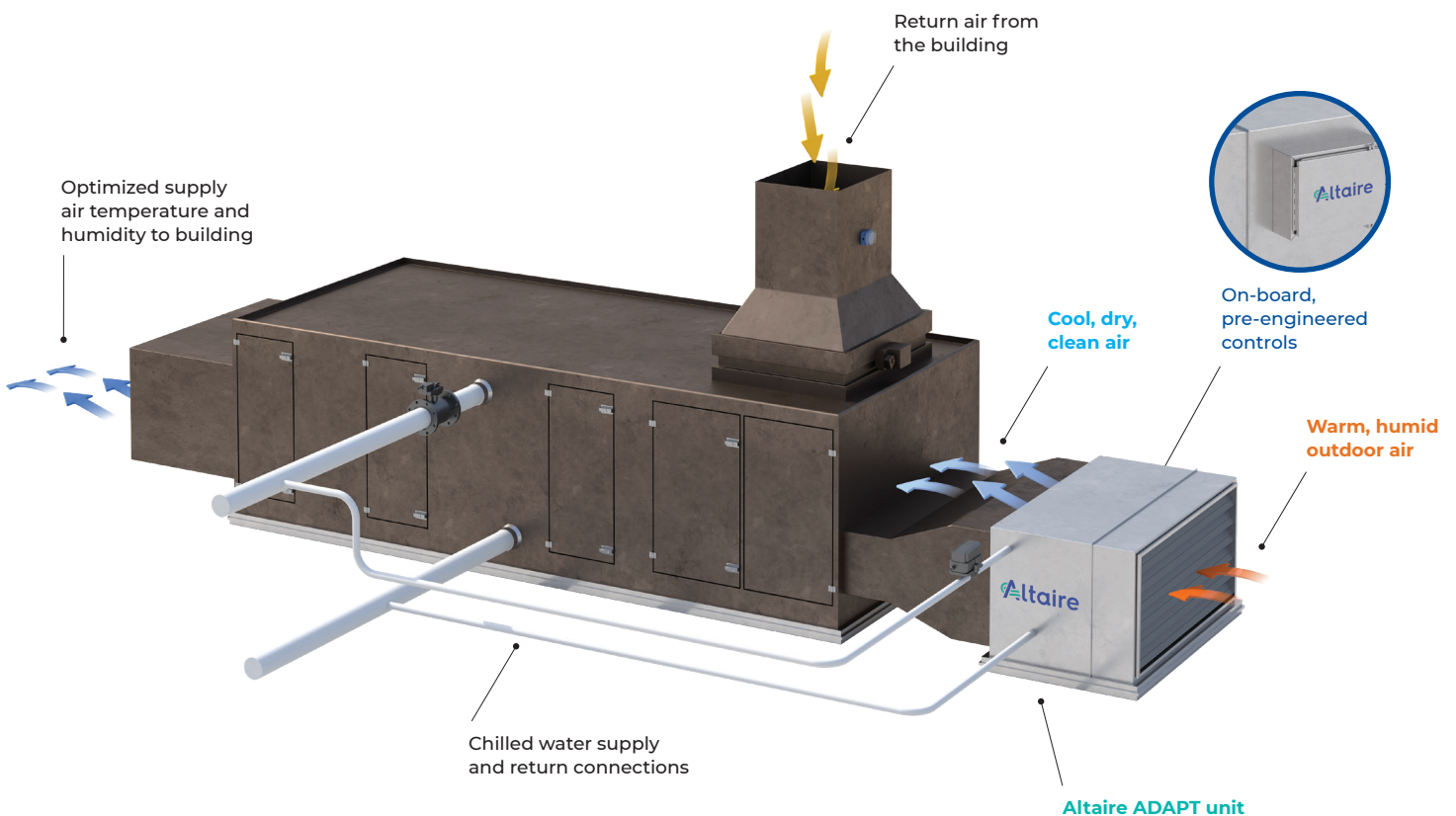
ADAPT™ 2,500 / 5,000

Humidity. Controlled.



The Altaire Advanced Dehumidification Airstream Pretreat Technology (ADAPT™) units are designed to solve the toughest humidity control challenges associated with recirculating air handling units.

The ADAPT unit pretreats incoming outdoor air before entering the air handling unit, decoupling the moisture load of outside air from the thermal load of the building.



Benefits

- Significantly increased moisture removal to ensure proper dehumidification even on the most extreme days.
- Reduced biological growth potential in downstream areas including the air handler ductwork and occupied spaces.
- Significantly improved thermal comfort from decoupling latent and sensible loads.
- Reduced peak chilled water flows and loads, along with reduced energy consumption, through integrated heat recovery design.
- ADAPT units extend the life of your existing air handling unit by removing all moisture upstream, eliminating condensation from the cooling process in the existing air handling system.
- With no additional moving parts, wheels, or run-around-coils, ADAPT units are the simplest and most cost effective way to solve humidity control challenges, without the need for costly changes to the existing air distribution system.

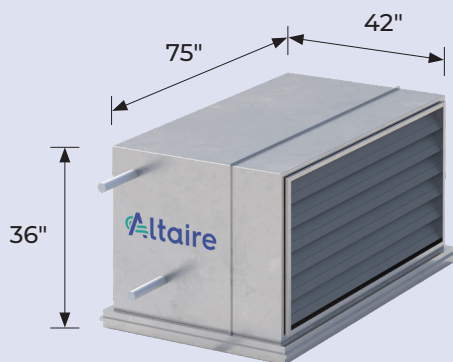
Features

- 100% marine-grade aluminum and 316 stainless steel cabinet construction, along with salt-spray coated coils to reduce maintenance requirements even in the most extreme coastal environments.
- Small footprint with site-built capability for easy installation.
- Integrated chilled water heat recovery ensures proper desaturation of delivered air while reducing chilled water loads.
- Fully engineered on-board controls use open Tridium Niagara Framework® and BACnet protocols for performance optimization.
- On-board air flow measurement and alarming to ensure proper outdoor air flows are being delivered, improving occupant health, safety and productivity while reducing operating risk to owners.
- High efficiency MERV 14 air filtration, improving air quality and reducing loading on existing air handler air filters.

Installation

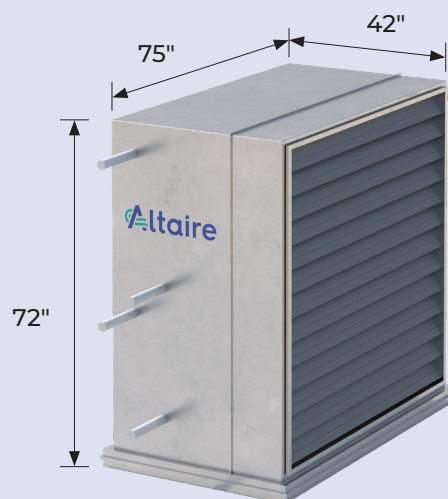
The ADAPT units are fully engineered to make installation and operations simple. The unit ships assembled, but can be split into two sections allowing each to be moved through a standard door or elevator. Weight has been reduced with the use of marine grade aluminum. On-board controls are

factory mounted and the controller is pre-programmed with optimized algorithms allowing the unit to run without custom control work. Field work is limited to simple mounting, piping, electrical, and ductwork connections.



ADAPT 2,500 CFM

ADAPT 5,000 CFM





To evaluate your project further please call 877-294-7646

© Altaire Systems, LLC | sales@altairesystems.com | altairesystems.com