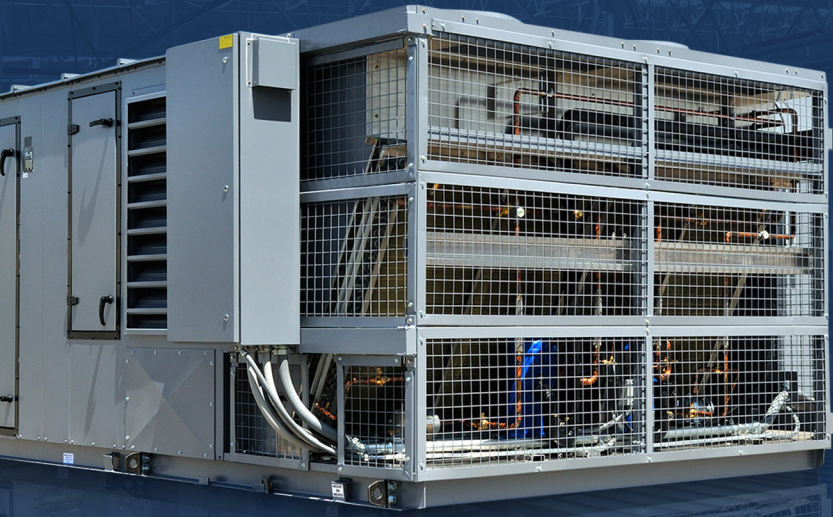


Alliance
AIR PRODUCTS
a member of **DAIKIN** group



CUSTOM TO FIT
YOUR NEEDS

As leaders in HVAC-R manufacturing, Alliance Air Products can custom design your units to fit environment and space requirements. Our Units are great for retrofitting legacy systems in Schools, Office Buildings, Libraries, Retail, Museums and more.

At Alliance Air Products, we can help with retrofitting non-efficient units by replacing them with the latest technologies.



◀ **LA County Museum of Art**
Alliance Air Products 22,000 CFM
Air Handling Unit.

LACMA PROJECT

LA County Museum of Art

CASE STUDY



Due to the museums architectural and acoustical requirements the air handling units for LACMA required special attention.

PROBLEM

The highly visible location of the air handling equipment, together with the severe acoustic constraints of the museum's interior required a unique & closely coordinated design approach.

SOLUTION

The four 22,000 CFM air handling units were designed with a special platform on the roof to handle the weight of the duct work and architectural cladding. Working with the building's architect and engineers, Alliance's design team provided very low-noise fans with 12 bladed, airfoil wheels and special acoustic diffusers built into the supporting frames. Unit walls and roof incorporated extra acoustical treatment, and special attention was paid to design and layout of internal components to minimize turbulence & noise. The finished unit was subjected to real-life acoustical testing specified and witnessed by a third party acoustical engineering consultant.

Alliance Air Products provided a true custom air handling unit work of art for LACMA.

RETROFIT

FACTS & FEATURES

- All aluminum construction to minimize the weight differences from existing units (galvanized or stainless steel optional).
- Variety of cooling and heating options including Hydronic, DX, VRF.
- Lead refrigeration circuit with VFD scroll compressor (dual VFD compressors optional); extremely efficient and quiet.
- Variable speed condenser fans (standard) for smooth and low-ambient head pressure control.
- Integrated economizer and building pressure relief damper available (optional building pressure sensor-controlled exhaust).
- Plenum supply fans with variable speed drive (standard) for turn-down, soft-start and air balancing. Optional EC fans.
- Specifiable coil materials and/or coil coatings .
- Optional heat recovery coil reduces the need for gas or electric heaters.
- Modulating gas furnace with 409 SS heat-exchanger or SCR controlled electrical heaters.
- Integrated extruded-aluminum dual-deck zone dampers (or optional triple-deck for non-mixing).
- Factory installed DDC controls for equipment & zone control.
- Matches existing roof curb (or optional varying cantilever based on specific jobsite limitations).
- Single Source Power Panel.



MUSEUM PROJECTS

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- The Broad Museum (Los Angeles, CA)
- Evergreen Aviation & Space Museum (McMinnville, OR)
- Natural History Museum (Los Angeles, CA)
- Hammer Museum - UCLA (Los Angeles, CA)
- Santa Barbara Museum Of Art (Santa Barbara, CA)
- LA County Museum of Art, LACMA (Los Angeles, CA)
- Autry Museum of the American West (Los Angeles, CA)
- Mingei International Museum (San Diego, CA)
- Children Museum (Los Angeles, CA)
- Phoenix Art Museum (Phoenix, AZ)



Evergreen Aviation & Space Museum