

HVAC Solutions for **Automotive Plants**



...from **Rapid Engineering, Inc.**
The industry leader in gas-fired heating and ventilation



RAPID's Automotive-grade HVAC System

Designed and built to meet the requirements of auto plant environments

Superior construction

Rigid structural base and frame with single- or double-wall construction. Available in mild steel, galvanized, aluminum or stainless steel.

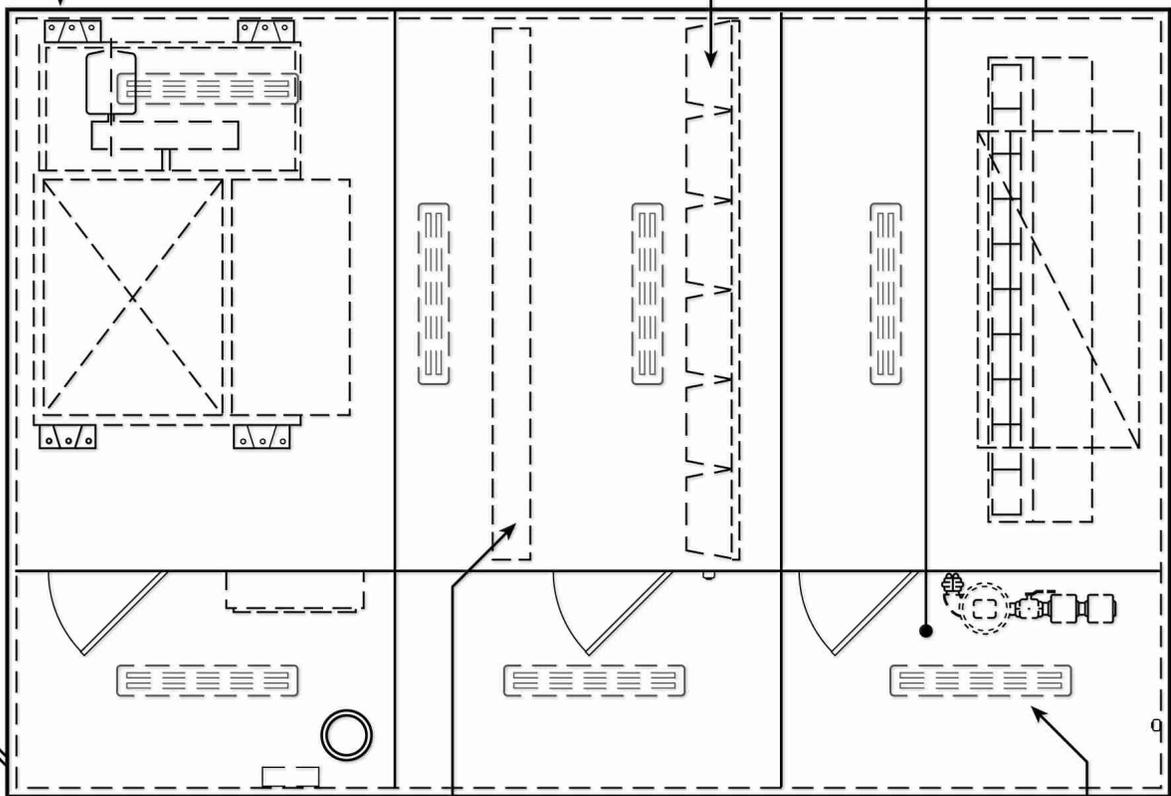
Filtering options

RAPID can provide media types, efficiencies and depths to meet your requirements. Bag, cartridge, HEPA, oil mist and jet-pulse filters are all available.

Walk-in servicing

Well-lit walk-in service corridors feature strong, nonskid floors. Options include heating, ventilation, hatchway and stairs.

Plan View



Insulated access door

The insulated access door, with wire mesh window, features weatherproof and waterproof construction.

Cooling and humidification

RAPID offers a wide variety of coil and refrigerant types, with sloped SS drain and intermediate pans. High-efficiency evaporative media for cooling and humidification also is available.

Lighting

Flourescent lighting is standard. Custom options are available.

**RAPID can provide these optional third-party listings:
ETL listing for gas heating and UL listing for control panels.**

Intake hood

Top-mounted fresh-air intake hood provides low inlet velocity and minimum water entrainment. Louvered inlets also are available.

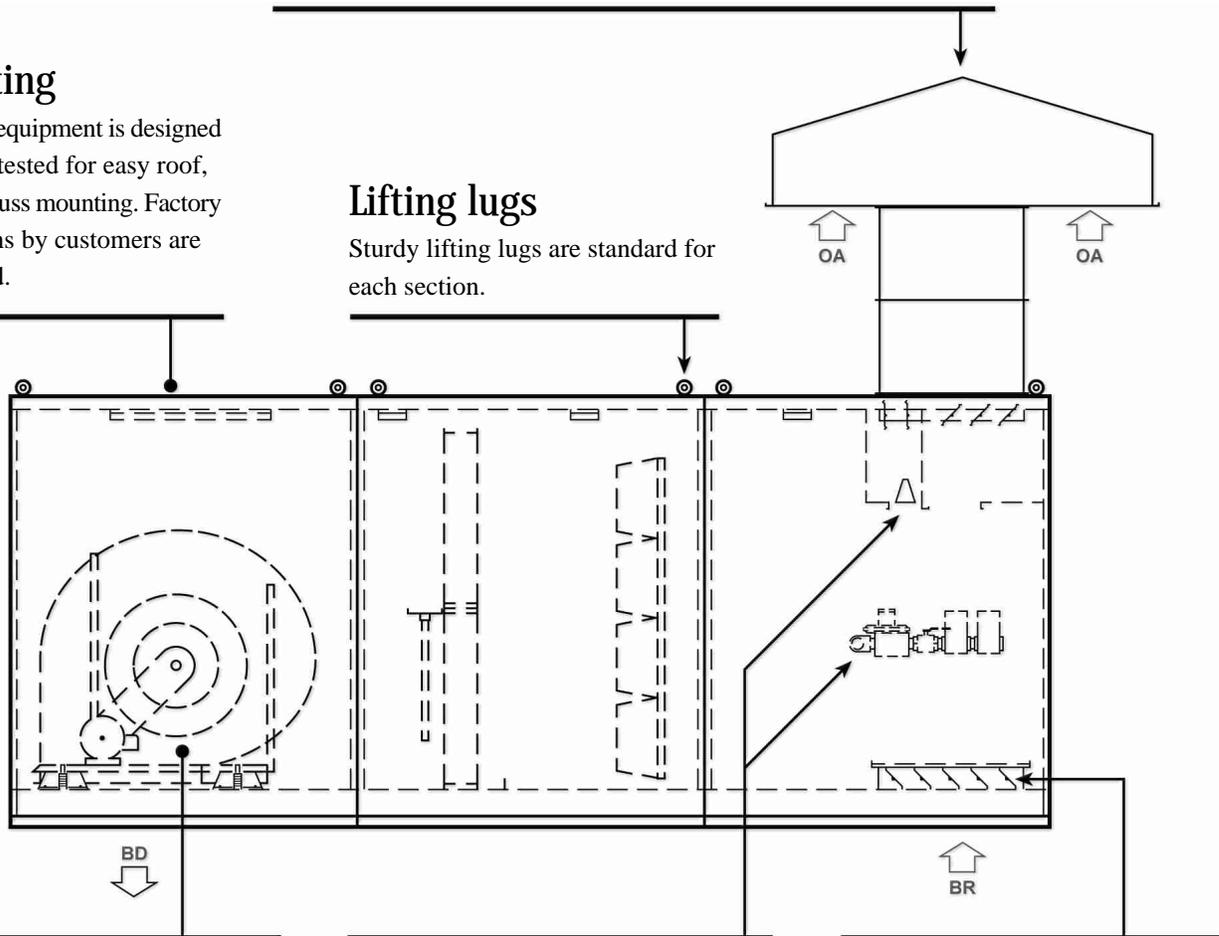
Mounting

RAPID's equipment is designed and fully tested for easy roof, grade or truss mounting. Factory inspections by customers are welcomed.

Lifting lugs

Sturdy lifting lugs are standard for each section.

Elevation View



Fans and accessories

A variety of fan types and classes are available. Fans are AMCA rated for top performance and dynamically balanced at our factory. Accessories include OSHA-compliant guards, inertia bases and high-efficiency isolators.

Burners and gas trains

Options include gas direct- or indirect-fired burners as well as steam or hot water coils. Gas trains strictly conform to FM, IRI and customer specifications.

Damper options

Rigid parallel or opposed blade dampers with direct-coupled actuators, interlocking blade edges and full-length blade stops are standard. Optional low-leakage construction is available.

Designed for efficient maintenance

RAPID has designed all maintenance components to be easily accessible through full-size access doors which are insulated and weatherproofed. In addition, access doors can be keyed to each customer's master system. Well-lit interiors also aid in service operations. Optional equipment includes special-duty motors and equipment-removal hoists & trolleys.

Custom capabilities

To meet your exact specifications, RAPID offers HVAC systems with a wide range of custom features, including humidification, reheat, heat recovery, evaporative cooling, seismic restraints, vibration isolators and more. Please ask for details.

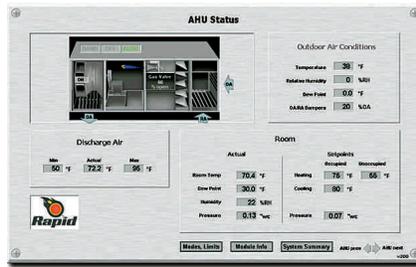
Quality Components

RAPID uses only the highest quality components in all of its HVAC systems



Fan wheels

RAPID provides single- or double-width airfoil fans with 100K-hour, ABMA L-10 bearings for quiet, efficient air delivery. Vane or tube axial fans also are available.



Specialized controls

RAPID offers control options ranging from conventional electro-mechanical to direct digital controls as well as PLC-based controls. An additional option includes a complete graphical interface.

All electrical components and wiring are designed, built and labeled in accordance with rigorous NFPA as well as customer-specified standards, such as SAE-1738.



High-efficiency filters

RAPID systems can be fitted with your choice of filters in bag, cartridge or HEPA configurations, each of which provides you with a wide range of filtering efficiencies. Additional options include oil mist and pulse-jet filters.

Over 40 Years of Experience

HVAC solutions from the pioneers of direct-fired, positive building pressurization

The leader in innovation

Over 40 years of experience has established RAPID as the leading provider of innovative air management systems for heating, cooling and ventilating large, open, industrial facilities.

Some of RAPID's innovations include:

- direct-fired heating,
- positive building pressurization,
- ductless air distribution and
- the easiest-to-use DDC facility management system available today.

Our engineers are constantly searching for new and improved ways to meet your air management needs.

Committed to excellence

At RAPID, we build every product with an attention to detail and a level of craftsmanship that can only come from an employee-owned company. Our team approach is reflected in our corporate motto: *Together we get the job done.*



An Employee Owned Company

With benefits for all

RAPID's constant supply of tempered fresh air dilutes and flushes airborne contaminants from your building, while our positive air pressure helps your production processes run more efficiently.

Employees will enjoy the comfort of working in an environment with constant temperatures throughout the facility, one in which there is virtually no costly heat stratification.

See us for a long list of automotive customers who are well pleased with RAPID's quality products and attentive pre-sale and post-sale support.

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