

# Whalen Room Fan Coil Units

For New  
and Retrofit  
Applications



A simple integrated package providing heating and cooling for hotels, apartments, condominiums, nursing homes, dormitories and offices.



# Whalen Room Fan Coil Units for New and Retrofit Applications

## WHY SETTLE FOR AN IMITATION?

**W**halen invented the vertical stack concept for fan coil units in the early 1960's. If you are looking for a room fan coil unit that provides total flexibility to the designer, reduced material and labor requirements for the installer and standard architectural features like aluminum supply and return grilles, the Whalen Company is your only choice. Our philosophy no longer requires you to force the building structure to adapt to the fan coil unit. Whalen units arrive fully assembled with factory-installed piping packages, controls and risers. A small footprint allows the unit to be furred into columns, walls or closets without the need for expensive horizontal run-outs.

Room fan coil units are the natural choice for both single and multi-story buildings.

## REPLACEMENT SPECIALISTS

The Whalen Company's commitment to the vertical stack market allows us to provide detailed assistance when you are faced with the challenge of replacing existing units. The Room Fan Coil Unit is configured for use in new construction or as a replacement for older systems. More and more building owners with various types of obsolete heating/air-conditioning systems are discovering that a complete new Whalen fan coil system can be installed not only at reasonable cost but also with minimum inconvenience to tenants and without disruption of building operation.

This flexibility is not limited to vertical stack designs. You will find that smaller vertical closet applications can benefit from the centralized maintenance and access features of the Whalen Room Fan Coil Unit.

## Features and Benefits

### Supply Opening

Left, Right, Front, Back and Top Combinations. All supply openings are painted black to block the view into the unit and when one unit is used for two rooms, a sight baffle is placed between two grilles.

### Supply Grille

Aluminum construction minimizes future maintenance and eliminates oxidation that can be caused from condensation — Single or Double Deflection with or without an opposed blade damper.

### Supply/Return Risers

Provided to meet the requirements of the jobsite. Custom lengths can be provided to meet the exact floor-to-floor dimension of the project. Risers are factory-installed and piped to piping packages within the cabinet.

### Riser Cover

Galvanized steel protective cover is standard to avoid damage during shipping, handling and installation.

### Ball Valves

Shut off valves allow unit isolation from the riser for service and maintenance.

### Multi-Speed Fan/Motor Assembly

Plug-in type; easily removed through the return air opening.

### Insulation

Two-pound density with thermal and acoustical properties and an anti-microbial coating.

### Cabinet

The galvanized monocoque construction permits the direct application of plaster or drywall.

### Piping Package

Standard package contains ball valves, two-way motorized control valve, manual air vent and three-row cooling/heating coil. A variety of piping options are available.

### Inner Service Panel

Removable for access to unit control wiring and internal piping.

### Filter

Throwaway or permanent.

### Drain Pan

Coated galvanized steel or optional stainless steel.

### Thermostat

Selected to meet your unique control requirements. Line or low voltage; plug-in or remote mounted; manual or automatic changeover; electro-mechanical or electronic, Digital, DDC and programmable options are available.

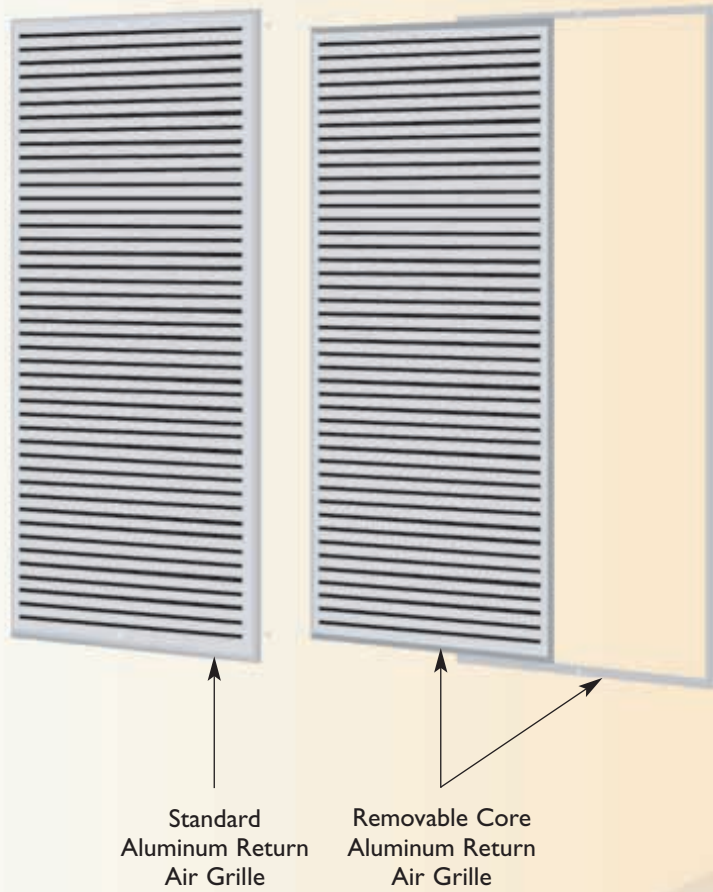
### Return Air Grille

Aluminum with standard or removable core capabilities. Removable core option allows for filter servicing without the use of tools.

### Unit Tagging

Each unit is individually boxed and tagged with factory and customer supplied information. Whalen units can be tagged with specific room numbers, riser number or any two pieces of information specific to the project.





Standard Aluminum Return Air Grille

Removable Core Aluminum Return Air Grille

Inner Service Panel

Heating/Cooling Changeover Aquastat

Thermostat

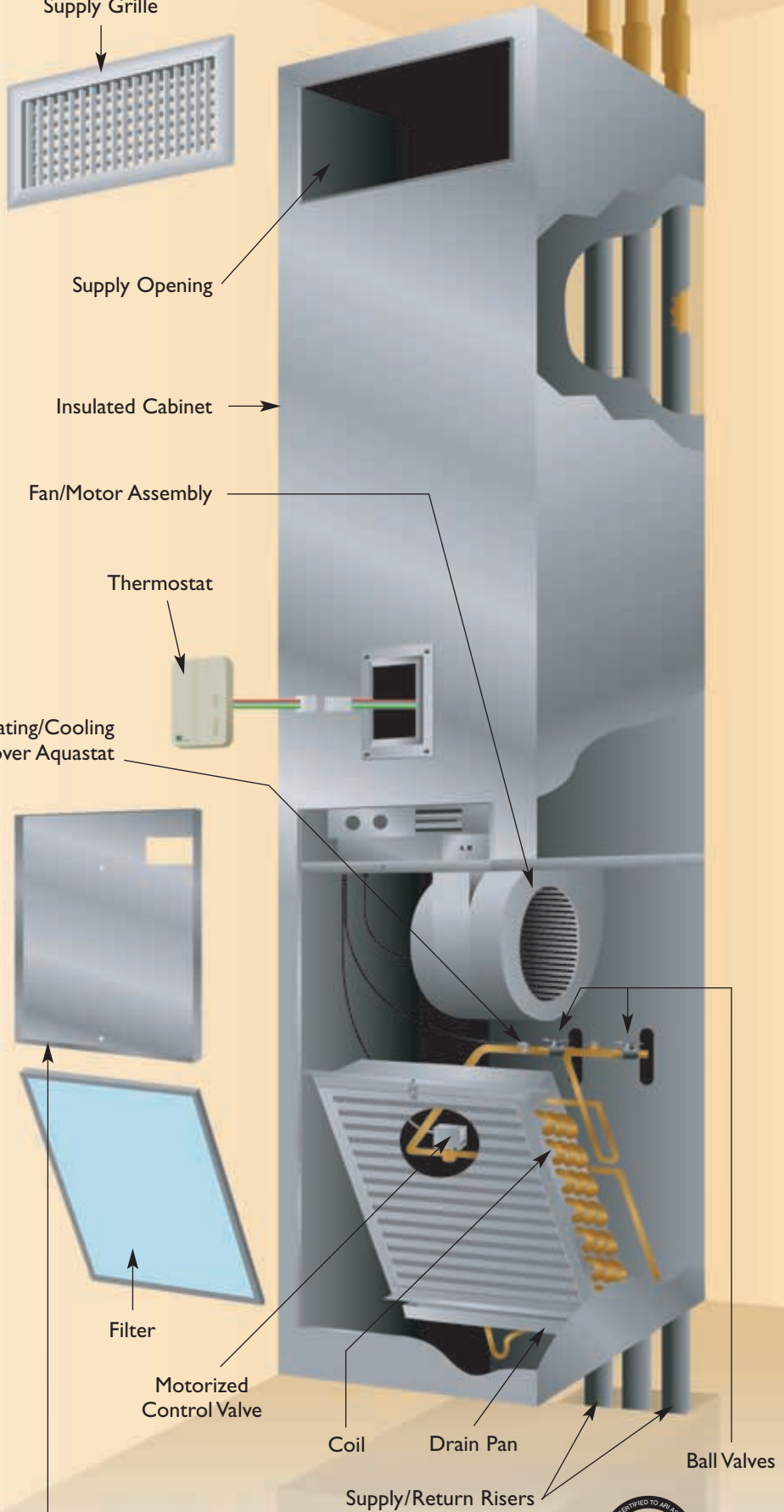
Fan/Motor Assembly

Insulated Cabinet

Supply Opening

Supply Grille

Drain Riser



Filter

Motorized Control Valve

Coil

Drain Pan

Ball Valves

Supply/Return Risers



A Participating Company in the ARI 440 Certification Program.

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## Vertical Concept

The Whalen Company is the originator of the multi-story air conditioner with integral water piping and risers. This concept is proven in thousands of installations since the early 1960's to offer substantial savings in field installation labor.

## Flexibility

The Whalen Room Fan Coil Unit is designed to meet unique space requirements. Unit height, grille size and location, piping packages, control packages, outdoor air requirements and performance are customized to fit the application. Remember, if you don't see something you need, just ask!

## Lower Cost

The vertical stack package minimizes installation time by providing factory-installed piping and controls. Risers are unit mounted and configured to stack one on top of the other vertically in a building. This arrangement eliminates the need for horizontal piping, special ceiling compartments or closets. All working components are accessible through the cabinet grille opening and factory tested prior to packaging. Individual unit tagging expedites distribution and provides relevant information relating to location, riser size, supply openings dimension of supply openings and configurations.

## Maintenance

Routine floor level maintenance and inspection is easily performed through the return air opening. The fan assembly, coil assembly, electrical control box and the drain pan are accessible by simply removing the conveniently placed access panel. Plug-in motors and thermostats further simplify component upgrades or replacement.

## Reliability

Whalen Room Fan Coil Units undergo a stringent quality control procedure focusing on the three major fan coil components; the riser package, coil package and electrical package. Upon successfully completing each of these independent steps, a final procedure is conducted to verify component performance and integration. This four-point system insures that each unit achieves the level of quality that is expected from Whalen products.

The Whalen Company remains a family business in form and function. Behind every unit that carries the Whalen name is a singularity of purpose—the engineering and manufacturing of products in only one field of specialization, HVAC equipment for multi-story applications. Our long-term commitment to this endeavor assures you of systems that are distinctive in concept, performance, reliability and value.



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