



*Vertical Stack Units, Fan Coils and
Water Source Heat Pumps:*

The Smart Choice for Renovations and Replacements

- ◆ Flexible fit for existing risers and piping
- ◆ Easy, “no-force” fit in existing spaces
- ◆ Minimize tenant disruption
- ◆ Shorten project lead times
- ◆ Prevent loss of income



Making your building renovation or equipment replacement projects easier ... faster ... less costly



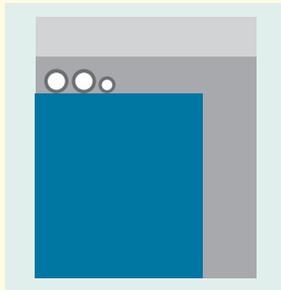
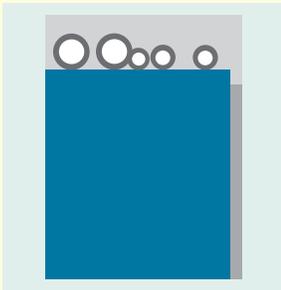
Whether your projects involve hotels, apartments, condominiums, senior living centers or dormitories, when it's time to renovate buildings or replace outdated heating and air conditioning systems, vertical stack units from The Whalen Company are the smart choice.

With Whalen products as your equipment solution, you'll minimize tenant disruption and potential loss of income. Offering **one of the smallest footprints in the industry** along with customization capabilities including cabinet height, riser locations, handing and discharge arrangements and sizes, your new units will be installed and operating in **significantly less time**.

Even better, we can often replace other manufacturers' equipment within an existing footprint, with no need to "force" replacement units into spaces where they don't fit. **We eliminate the need to re-core the building**, saving you even more time and money.



The comparative illustrations show how we can help you achieve this:



The Whalen Company Model WFC-400-4P – The Whalen nominal 400 CFM unit fits inside the footprint and riser space of other manufacturers' smallest 400 CFM units.

(Example shows 2" chilled water riser, 1" hot water riser and 1" drain riser, all with 1/2" insulation.)

Note: Blue represents Whalen cabinet ... dark gray represents competitor cabinet ... light gray is the area for the riser.

The Whalen Company Model VI-800 – The Whalen nominal two-ton unit fits inside the footprint of other manufacturers' smallest two-ton units.

(Example shows 2-1/2" supply and return riser and 3/4" drain riser with 1/2" insulation.)

Effortless Flexibility and Fit

If the decision is made to leave the existing risers in place, Whalen equipment can also accommodate the existing piping locations – both in elevation and side-to-side. We can accommodate the majority of these dimensions to reconnect to the existing risers.

The illustration to the right demonstrates how we can help you achieve this. *(This is shown for example only and is not intended for an actual project. The complete renovation drawing package includes more detailed drawings, with any minimum dimension requirements specified.)*

A Comprehensive Product Offering

Because size isn't always the only consideration, The Whalen Company has equipment to meet most project needs. They include:



Room Fan Coil

- 2-Pipe Heating Only
- 2-Pipe Cooling Only
- 2-Pipe Cooling with Electric Heat
- 4-Pipe Heating / Cooling

Room fan coil shown includes an aluminum return air grille and optional double-deflection supply air grille.

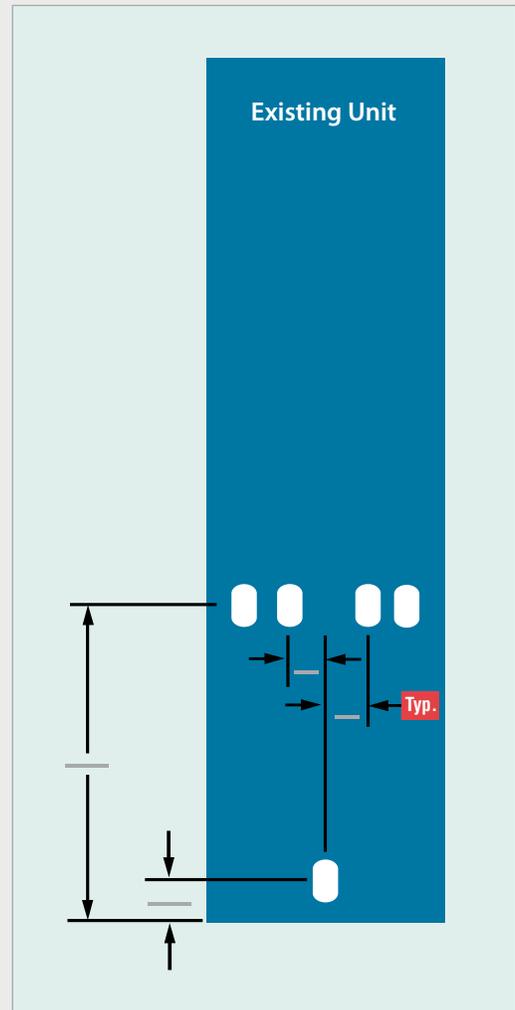


Heat Pumps (Water Source and Geothermal)

- Standard Unit (Reverse Cycle)
- Standard Unit (Reverse Cycle) with Electric Heat
- Standard Unit Cooling Only
- Standard Unit Cooling Only with Electric Heat

Water-source heat pump shown includes an optional acoustic return air panel and optional double-deflection supply air grille.

Elevation view



When the risers are going to be reused, the centerline of the unit is the reference point for locating the Supply/Return and condensate connections.

Note: Your local Whalen Company representative can provide a complete renovation drawing package to ensure proper pipe fitting locations. Or, call 410-822-9200 to speak with one of our specialists.



Whalen equipment has been specified in hundreds of building renovation and equipment replacement projects in these and other categories:

- Hotels
- Apartments
- Condominiums
- Senior Living Facilities
- Dormitories

Examples of recent renovation projects include:

- Westin Hotel, Dallas, TX
- Liberty Boston Hotel (*Charles Street Jail Building*), Boston, MA
- Kennedy-Warren Apartment Building, Washington, DC
- Virginia Tech University Dormitories, Blacksburg, VA
- Delaware Trust Building, Wilmington, DE



Behind every unit that carries the Whalen name is a singularity of purpose: the engineering and manufacturing of products that improve the quality of life for our customers. Our long-term commitment to this endeavor assures you of systems that are distinctive in concept, performance, reliability and value.

Find out how our approach to your project will deliver a "perfect fit" solution ... and make your life easier.

Take the Next Step

To learn more on how The Whalen Company can help you complete your renovation or equipment replacement project in less time and at lower cost, contact your local Whalen representative, call **410-822-9200** to speak with one of our specialists, or e-mail your request to sales@whalencompany.com.

Additional technical resources, including engineering drawings and digital equipment selection software, are available on our web site at www.whalencompany.com.



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