



Innoline® Riser Fan Coil

The Original Innovation
Taken to a New Level

- Highly effective humidity control
- Enhanced insulation
- Upgraded universal controls
- Variable speed pumps
- User-friendly drain service system
- Improved unit serviceability

Innoline® Riser Fan Coil

Still a One-Of-A-Kind Innovation, Now on a Whole New Level

Over five decades ago, with its breakthrough engineering and proven advantages, the Innoline® Riser Fan Coil changed the conventional thinking about the design of heating and cooling systems. Since then, both the Innoline® Riser Fan Coil and The Whalen Company have continued to chart their own course, even as the vertically stacked market has become crowded with “me-too” valve control products.

The Innoline® Riser Fan Coil unit remains a one-of-a-kind innovation. And in the way it interacts with its customers, so is The Whalen Company.

At The Whalen Company, our communication with customers has led to a series of enhancements to the Innoline® Riser Fan Coil, as it has with our other products. That interaction involves listening carefully— being adaptable, flexible, and innovative. We don't mass-produce the Innoline® Riser Fan Coil in fixed sizes or configurations that limit customer choices. We manufacture them to individual specifications or needs, so that designs of buildings and spaces fit the aesthetic and economic priorities of the owners — not the constraints of an HVAC unit. Feedback from our customers, whether directly or through our network of representatives, has resulted in some of our custom engineering adaptations becoming standard features. The cumulative effect of these enhancements are Innoline® Riser Fan Coil products that take vertically stacked heating and cooling technology to a whole new level.



Benefits that Make a Big Difference

When you consider all of the features of Whalen units, it's easy to see why they deliver so many benefits to contractors and users alike.

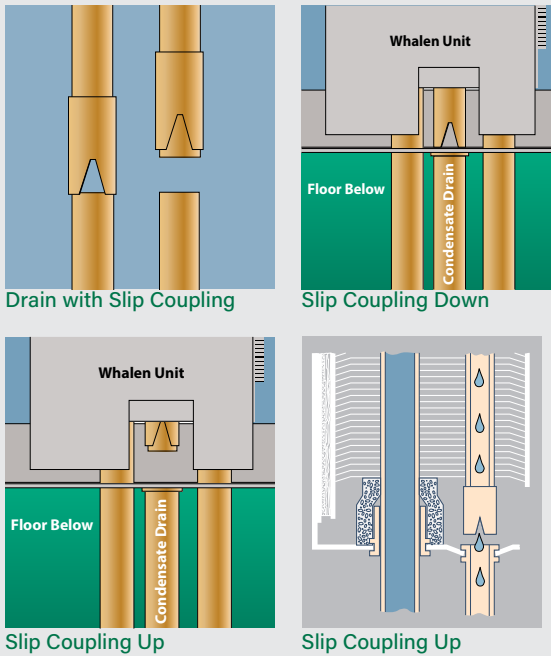
Improved Serviceability

We've provided greater access to electrical and hydronic components. Service openings are larger. Internal components are reconfigured to improve drain pan maintenance. Entrance points have been designed within the unit to facilitate coil inspection and cleaning.

Slip Coupling

A vastly improved drain service system simplifies drain line access and cleaning.

Slip Coupling System Greatly Improves Drain Service Access



Enhanced Insulation

All InnoLine® Riser Fan Coil Units are standardized on ½" thick, 2 lb. density thermal and acoustical insulation within the cabinet. An additional layer of ¼" thick, closed cell used between coil and cabinet. This additional insulation improves airside performance and minimizes sound transmission.

Customized Options*

Too often, manufacturers want to do less and place more burden on the installing contractor. But the very purpose of vertical stack equipment is to simplify field installation. These elements include custom cabinets, custom risers and custom controls coupled with convenience items such as integral condensate pumps and protective air covers to guard against construction debris. Units should be made to be installed with a minimum of field labor. You'll find that Whalen units can help you control costs by eliminating the need to plan for unnecessary field related tasks. In these and other ways, Whalen will help you save money on your project.

Upgraded Controls

All two-pipe vertical fan coil units now incorporate our universal control system. This user friendly plug-and-play concept maintains the simplicity and ease of maintenance we're known for, while allowing for upgrade possibilities either before or after the equipment is installed. Now, with the aid of a screwdriver, individual customer preferences can be satisfied — from our standard electronic thermostat to a more sophisticated digital or programmable control system.

Humidity Control

The riser fan coil concept aids in humidity control as both an active and passive participant. In the active role, excess room moisture is removed when air passes through four rows of coil. In the passive role, the system does not allow moisture to re-evaporate into the living space, potentially creating what some describe a "cold and clammy" condition.

Variable Speed Pumps

Does your energy code require part load controls that have the capability to reduce system pump flow? The riser fan coil is designed to provide 90% of cataloged capacity when system flow is reduced by 50%. In fact, a sophisticated understanding of how the Whalen system works points to the conclusion that during part-load conditions, cooling capacity may improve in individual fan coils. The Whalen System is designed to operate at a 50% reduction in pump flow whenever there is a 50% or lower part load requirement. This system also provides for system redundancy at the pumps and terminal equipment.

* For additional information on custom options, please contact your local Whalen representative or the factory.

InnoLine® Riser Fan Coil System Capacities

Model	CFM	Fluid Velocity (FPS)	Cooling Capacity ¹			Heating Capacity ²	
			EWT (°F)	TC (Btu/hr)	SC (Btu/hr)	EWT (°F)	TC (Btu/hr)
W200	222	6.0	45	5,834.0	4,985.2	140	9,838.9
W300	241	6.0	45	8,249.5	6,227.5	140	14,976.6
W300X	241	6.0	45	9,528.8	6,682.8	140	14,997.0
W400	362	6.0	45	11,692.0	8,889.3	140	16,797.8
W500	455	6.0	45	12,562.5	9,806.5	140	19,804.6
W600	580	6.0	45	15,710.5	12,531.0	140	23,771.1
W800	683	6.0	45	20,651.8	16,971.8	140	30,581.9

¹ Rated in accordance with ARI Standard 440. Cooling capacities based on 80°F DB/67°F WB entering air, 45°F entering water, 10°F water temperature rise

² Water heating coils rated at 70°F DB entering air, 140°F entering water, 20°F water temperature drop

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**.

The number of industry “firsts” from Whalen is impressive. They include:

- The industry’s first vertical stack valveless fan coils
- The first vertical stack heat pump offering
- The first removable chassis closet-type heat pumps
- The first AHRI-listed water-cooled air conditioning units with hydronic heat

Let us put Whalen innovation to work for you, too. Find out how our approach to your project will deliver a “perfect fit” solution – and make your life easier.

Need to locate a sales representative? Whalen’s sales rep locator tool was designed to help you easily find a Whalen sales representative within the United States and Canada.

whalencompany.com/relocator



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WL003 rev. 08-19