



The Whalen Company

Innoline® Riser Fan Coils

THE ORIGINAL INNOVATION TAKEN TO A NEW LEVEL

Over five decades ago, with its breakthrough engineering and proven advantages, the Whalen 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-kind innovation. And in the way it interacts with its customers, so is the Whalen Company. At Whalen, 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 Innoline® Riser Fan Coils 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.

INNOLINE® RISER FAN COILS BENEFITS

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.

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 fan cycle models are compatible with a digital thermostat. This user friendly 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.

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





Innoline® Riser Fan Coils Still A One-Of-A-Kind Innovation, Now on a Whole New Level

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	4,985	140	9,838
W300	241	6.0	45	8,249	6,227	140	14,976
W300X	241	6.0	45	9,528	6,682	140	14,997
W400	362	6.0	45	11,692	8,889	140	16,797
W500	455	6.0	45	12,562	9,80	140	19,804
W600	580	6.0	45	15,710	12,531	140	23,771
W800	683	6.0	45	20,651	16,971	140	30,581

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

Unit Size

	W202	W302	W302X	W402	W502	W602	W802
Width (in.)	12	12	14	16	16	18	18
Depth (in.)	14	14	14	14	14	16	16
Height (in.)	90	90	90	90	90	90	90

General Data

	W202	W302	W302X	W402	W502	W602	W802
Operating Weight - 2-Pipe System (lbs.)	103	103	123	138	138	188	188
Operating Weight - 4-Pipe System (lbs.)	123	123	143	158	158	208	208
Shipping Weight - 2-Pipe System (lbs.)	115	115	135	150	150	200	200
Shipping Weight - 4-Pipe System (lbs.)	135	135	155	170	170	220	220
Filter Size (in.)	7 x 33.5 x 0.5	7 x 33.5 x 0.5	9 x 33.5 x 0.5	9 x 33.5 x 0.5	9 x 33.5 x 0.5	11 x 33.5 x 0.5	11 x 33.5 x 0.5
Filter Quantity	1	1	1	1	1	1	1