



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-a-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. Below is a list of Innoline[®] Riser Fan Coil enhancements through the years.

Innoline[®] Riser Fan Coil Enhancements

1982

- Type M Wall Copper
- Galvanized Drain Pans with Spray-In Mastic
- All Internal Parts were G60 Galvanized Metal
- Condensate Drain - Limited Access
- 1/2 Inch Fiberglass Insulation (**Standard**)
- Limited Access to Top of Unit (Through Discharge Opening)
- Manual Air Vents on Top of Coil
- 6 Inch Thermostat Wires out Front/Top of Cabinet
- Disconnect (**Option**), Fuse Disconnect (**Option**)
- Motor Option: Shaded Pole (**Standard**), PSC (**Option**)

2018

- Type M Wall Copper (**Standard**), Type L Wall Copper (**Option**). Type L has greater wall thickness
- T304 Stainless Steel Drain Pan No Coating (**Standard**)
- All Internal Parts are G90 Galvanized Metal
- Slip Coupling Drain for Better Access (**Standard**)
- 1/2 Inch Fiberglass Insulation (**Standard**), 1/2 Inch Close Cell (**Option**), 1/2 Inch Foil Face (**Option**)
- Sheet Metal Cover in Top Half of Unit (Drywalled Over)
- Larger Access Panel in Top Half of Unit
- Clean Out 1 & 1/4 Inch Round Hole with Plug in R/A opening (**Option**)
- Manual Air Vents on Top of Coil (**Standard**), Auto Air Vent (**Option**)
- 6 Inch T-Stat Wires Out Front/Top of Cabinet (**Standard**), Up to 50 ft T-Stat with 24V Control (**Option**)
- Disconnect (**Option**), Certain Applications Circuit Breaker (**Option**)
- Motor: PSC (**Standard**), ECM (**Option**) (Except Size 2/300)
- Condensate Overflow Switch (**Option**)
- Added 1/4 Inch Close Cell on Coil Side of Cabinet under 1/2 Inch of Insulation (**Standard**)
- Removable Core Return Air Grille for Filter Change Out Means no Need for Tools
- Increased Thermostat Options





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 | 9,806 | 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 |



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