

HP Fan-Coil Units High-Performance, Horizontal



HP Series Fan-Coil Units: Innovative Design Simplifies Installation and Service

Contractors

HP Series horizontal, high-performance, fan-coil units provide maximum performance while reducing installed cost to the contractor. The HP unit is equipped with a field-reversible rear-ducted or bottom-ducted air return. Standard 1" minimum duct collars on both supply and return help to streamline ductwork installation.

Designers

The HP unit's array of options and number of available sizes render unparalleled flexibility. Ranging from 600 to 2400 CFM, eight unit sizes allow the HP to accurately match the room-load requirements. Available with chilled-water or DX cooling coils and hot-water, steam or electric heating coils. HP Series fan coils produce the ultimate in comfort and flexibility.

Owners

AHRI Standard 440 certification ensures exacting performance. Concerned about maintenance and Indoor Air Quality? Sloped drain pans are standard on HP Series fan coils. Both the drain pan and motor-blower assembly may be easily removed from the unit via rear or bottom panel. The entering side of the coil may be accessed by removing the blower assembly.



Model HPP (shown with auxiliary drip pan)

HP Series Fan-Coil Unit Features

STANDARD FEATURES:

- Compact size: 17" height (HPF/HPP) or 18" height (HPE) for all sizes
- Heavy-gauge, galvanized-steel casing construction
- 1/2"-thick fiberglass insulation
- Electrical enclosure with hinged bottom access door and removable side access panel
- Sloped drain pan, externally insulated
- Removable fan assembly
- 2 or 4-pipe configuration, preheat or reheat position
 - Manual air vents
 - 3, 4, or 6-row chilled water or DX, heat-pump compatible
 - 1, 2, 3 or 4-row hot water or 1 or 2-row steam
- 1" throwaway filters
- Three-tap PSC motors; 115, 208-230, or 277 volts
- ETL-listed and labeled
- AHRI Standard 440-certified

OPTIONAL FEATURES:

- Insulated plenum, rear-ducted or bottom-ducted return (Model HPP)
 - Field-reversible
- Mixing box with linkage
- Damper actuator
- Foil-faced insulation
- Closed-cell foam insulation
- Stainless-steel drain pan
- Stainless-steel coil casings
- Secondary drain connection
- Auxiliary drip pan – stainless-steel or galvanized
- Condensate-overflow switch
- Auto air vents
- 1" or 2" pleated filter
- ECM™ motors
- SCR fan speed controller (PSC motor)
- Piping packages
- Thermostats
- Double-deflection discharge grille (Model HPE)

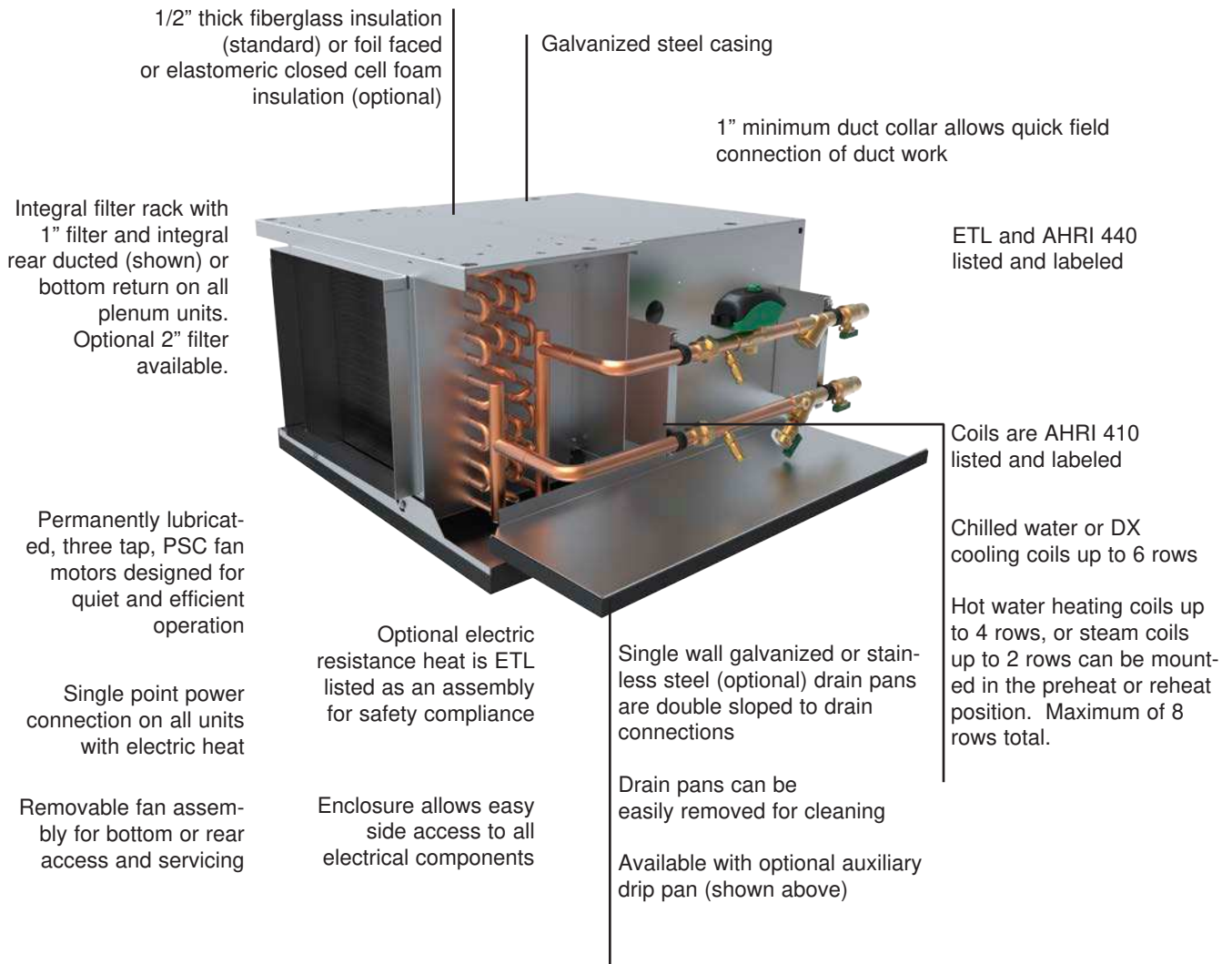
Electric Heat

Available in a wide variety of kW and voltage configurations. Options include door-interlock disconnects and low-voltage controls. All control and electric-heat configurations are with single-point power connection and are ETL-listed as an assembly.



MODEL HPP

HP Series fan coils have many standard and optional features which are unique to the industry



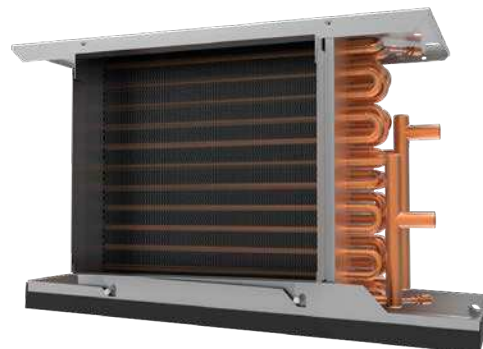
MODEL HPE

Horizontal Exposed Cabinet

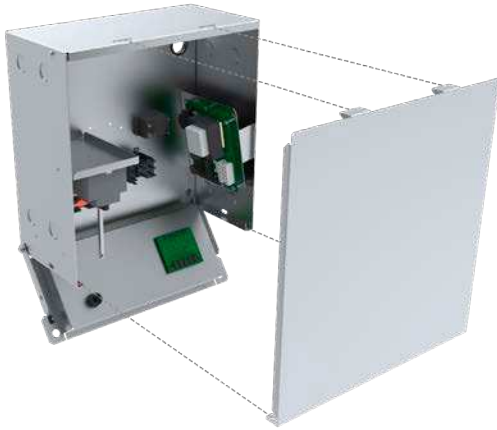


MODEL HPF

Horizontal Free Return

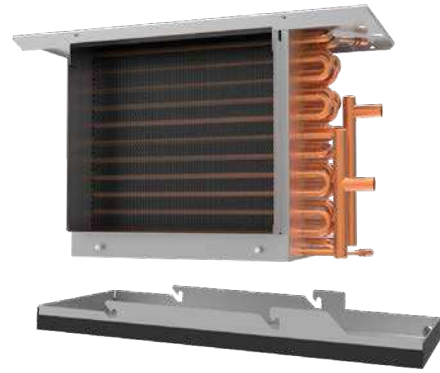


Note: Drawings and images are not to scale and are not for installation purposes. Refer to www.enviro-tec.com for current submittal drawings. All data and dimensions are subject to change without notice.



Electrical Enclosure

The bottom access electrical enclosure with removable side access panel provides access to all electric heat and control components. Terminal strips are furnished for simple power-wiring and control-wiring connections. Multiple knockouts allow wiring entries from either side of the compartment.



Drain Pan

Standard drain pans are externally insulated, single-wall, galvanized-steel (stainless-steel option available), and utilize a tool-free removal system. Drain pans are also available with secondary-drain connection.



Mixing Box

The optional, fully insulated, mixing-box section comes completely assembled to the HPP unit, featuring low-leakage, heavy-gauge steel dampers with integral linkage. Damper positioning is field-configurable and bottom filter access is standard. A factory-provided and factory-installed damper actuator is also available.



Filters

One-inch throwaway filters are tight-fitting to prevent air bypass. Filters are easily removable from the bottom without the need for tools. The filter rack is convertible from rear to bottom return without the need for additional parts. Optional 1" and 2" pleated filters are available for use with the HPP unit.



Powder Coated Painted Surface

Exposed cabinet Model HPE features powder coat finish that resists scuffing, scratching, fading, and fingerprints.

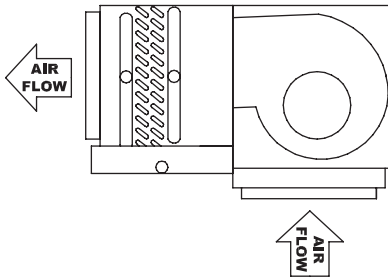


Coils

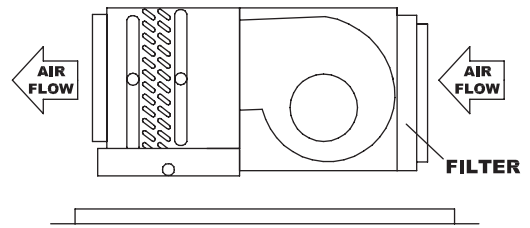
All fan-coil units are available in 2 or 4-pipe configurations. The heating coil may be placed in the reheat or preheat position.

UNIT ARRANGEMENTS

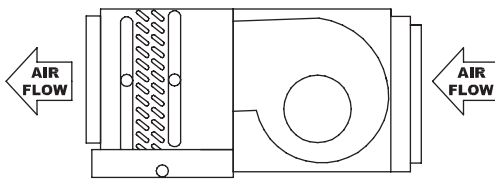
HPP BOTTOM RETURN



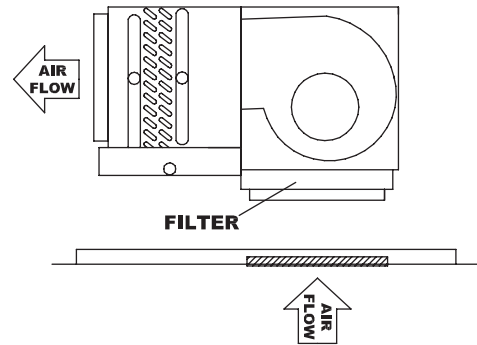
HPP REAR RETURN WITH SOLID ACCESS PANEL



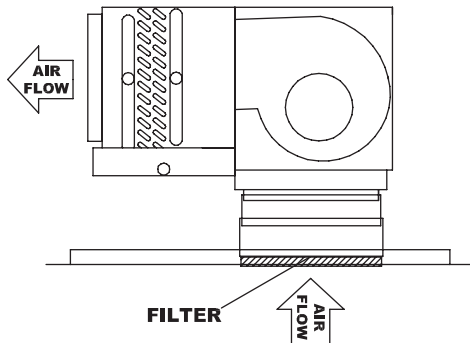
HPP REAR RETURN



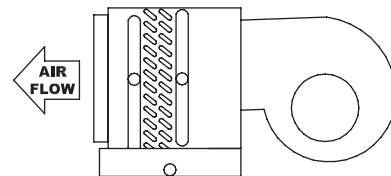
HPP BOTTOM RETURN W/BOTTOM CEILING PANEL



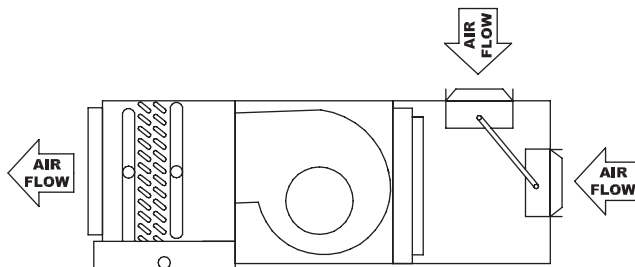
HPP BOTTOM RETURN WITH TELESCOPING BOTTOM PANEL



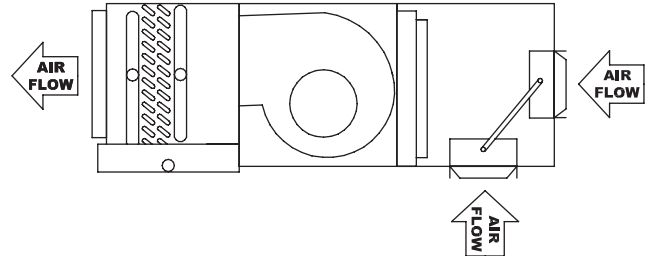
HPF FREE RETURN



HPM MIXING BOX WITH TOP & REAR RETURN



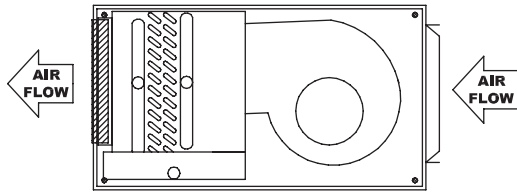
HPM MIXING BOX W/BOTTOM & REAR RETURN



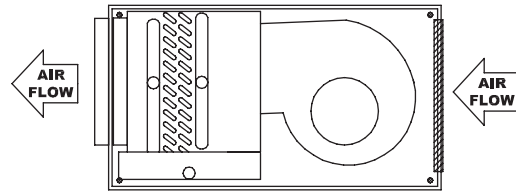
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UNIT ARRANGEMENTS

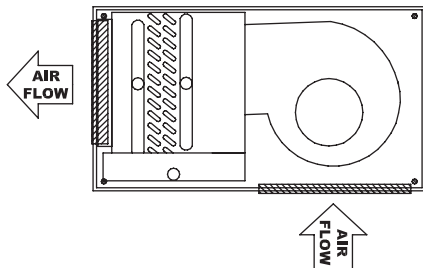
HPE DOUBLE DEFLECTION SUPPLY GRILLE AND DUCTED REAR RETURN



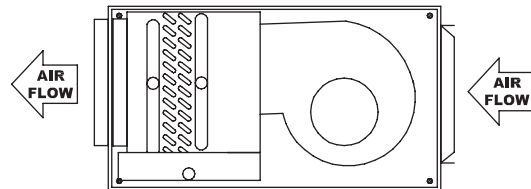
HPE DUCTED SUPPLY AND SINGLE DEFLECTION REAR RETURN GRILLE



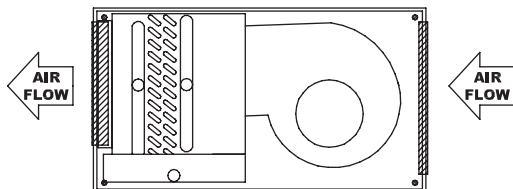
HPE DOUBLE DEFLECTION SUPPLY GRILLE AND SINGLE DEFLECTION BOTTOM RETURN GRILLE



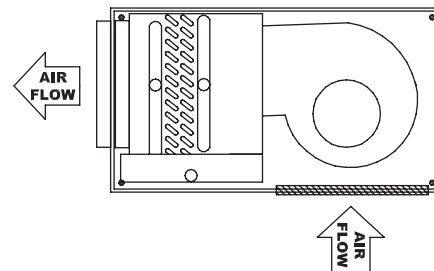
HPE DUCTED SUPPLY AND DUCTED REAR RETURN



HPE DOUBLE DEFLECTION SUPPLY GRILLE AND SINGLE DEFLECTION REAR RETURN GRILLE



HPE DUCTED SUPPLY AND SINGLE DEFLECTION BOTTOM RETURN GRILLE



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