IEC International Environmental

A NIBE GROUP MEMBER

Modular Hi-Rise Series Fan Coils

300 CFM TO 1200 CFM

IEC's Modular Hi-Rise fan coil systems offer unit arrangement versatility, made possible as factory-assembled and integrated packages. Once installed, these units present a low visual impact in the room, often positioned in a corner, along the perimeter wall, or as part of a partition separating two areas. Only the thermostat control, supply air grille and decorative return air panel remain visible in the room. These Modular Hi-Rise fan coils were designed for new construction and retrofit replacement markets.

Modular Hi-Rise Series
FAN COILS

MPY –Modular Hi-Rise Concealed 300 CFM to 1200 CFM

The Concealed Modular (MPY) fan coil unit, International Environmental Corporation's (IEC) premier Modular unit, is designed for concealed applications in corners or along room walls. Standard MPY units are provided with an 20 gauge galvanized finish on the cabinet and a powder-coat paint finish on the return air panels.

MAY/MBY – Modular Hi-Rise Concealed Ditto – 300 CFM to 1200 CFM

The Ditto Concealed Modular (MAY/MBY) fan coil system is designed for installations where two units share riser piping in the separation wall between the two rooms but are equipped with individual valves, supply and return grilles, and controls. The Ditto Concealed Modular unit is shipped factory assembled for additional installed cost savings. Standard Ditto units are provided with an 20 gauge galvanized finish on the cabinet and a powder-coat paint finish on the return air panel. Units are ETL Listed with UL fire ratings.

MXY – Modular Hi-Rise Cabinet 300 CFM to 1200 CFM

The Exposed Modular (MXY) fan coil unit is designed for applications where concealed installation is not possible or practical. The slim, attractively-styled cabinet of the MXY blends with all types of decor. MXY units feature a double-deflection supply grille, an integral return air panel and a unit-mounted thermostat control. Standard MXY units are provided with an 20 gauge galvanized powder-coat paint finish.

MMY/MSY – Modular Hi-Rise Concealed Primary/Secondary – 300 CFM to 1200 CFM

The Primary/Secondary Modular (MMY/MSY) fan coil unit is ideal for applications where design restricts the installation of IEC's Ditto or Siamese Ditto Systems. With this configuration, field brazing is required to complete the piping between two separate Modular Hi-Rise fan coil units. Standard MMY/MSY units are constructed with 20 gauge galvanized steel and are provided with a galvanized finish on the cabinet and a powder-coat paint finish on the return air panel.

Application Fit

- Multiple airflow configurations for most ducted and non-ducted applications (maximum 0.25" external static pressure).
- Aesthetically pleasing return air panel options.
- Surface, remote, or ADA mounted 24V thermostats.
- Application-specific cabinet modifications to facilitate replacement units.

Design Flexibility

- Wide variety of coil configurations match heating and cooling loads.
- Standard EC motor.
- Multiple riser locations maximize design flexibility.
- Control valves and valve package options factory installed to meet stringent specifications.
- Manual or motorized outside air dampers meet zone's ventilation requirement.

Market Applications:

Hospitality | Multi-family Residential | Office

Ease of Installation

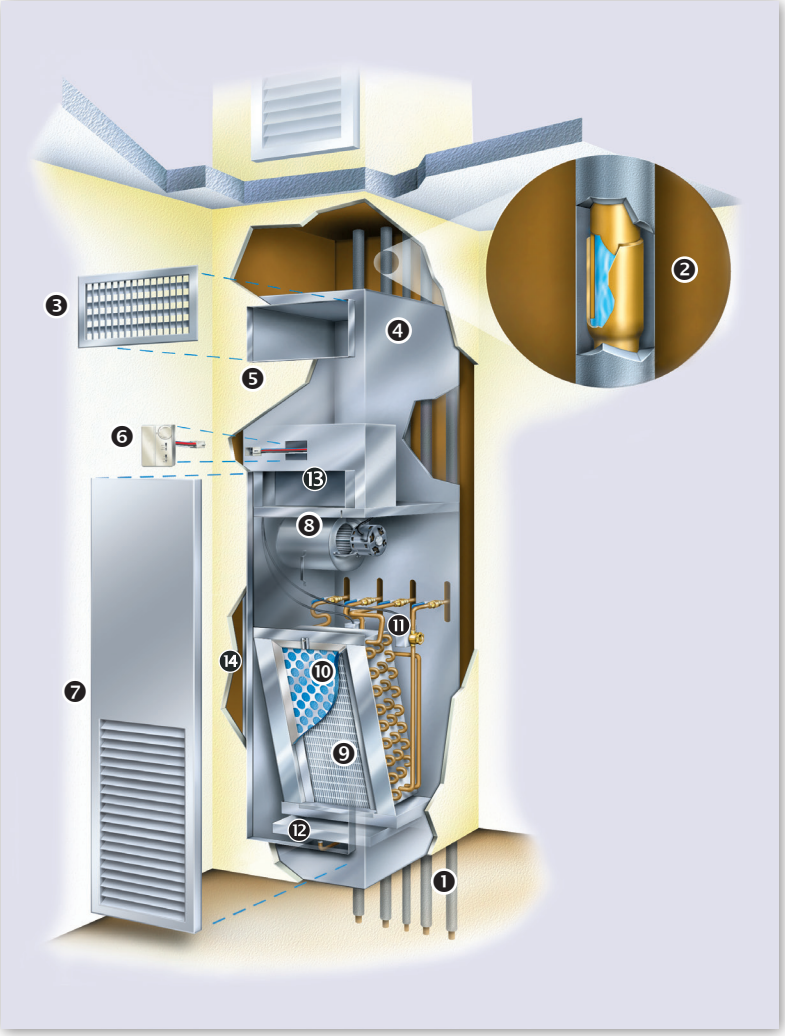
- Units assembled in coordination with jobsite construction schedule.
- Risers cut, prefabricated and insulated based on job specification for either factory installation or shipping separately.
- Risers swaged to reduce field brazing labor.
- Concealed units designed with duct collars and drywall stops for flush drywall mounting.

Ease of Service

- Easily access for filter changes.
- Removable motor/blower assembly with quick-connect plug and fasteners.
- Eye level access to control box.

Quality and Safety

- Every unit is tested and inspected at the factory for trouble free start-up.
- ETL listed and AHRI certified.



Design Features

Nominal CFM Sizes:
300, 400, 600, 800, 1,000, 1,200

1. Field or factory-installed insulated water and condensate risers
2. Swaged riser connection
3. Double-deflection supply air grille
4. 18 gauge galvanized steel cabinet
5. Unit installed behind drywall
6. Thermostat with quick-connect
7. Powder-coat return air access panel
8. Removable motor and blower assembly with quick-connect plug
9. Draw-through, 4-pipe coil*
10. 1” filter options
11. Factory-installed control valves with quick-connect actuators
12. Insulated drain pan with p-trap
13. Control box with cover
14. Removable acoustical service access panel (not shown)

* Available applications are 2-pipe, 4-pipe (shown), 2-pipe auxiliary electric heat, and 2-pipe total electric heat.

Modular Hi-Rise Series
FAN COILS

IEC's Green Standard:

- Environmentally friendly hydronic fan coil system (uses no refrigerants)
- High MERV filter option available
- Bipolar Ionizer
- Highly efficient EC Motor
- Outside/Conditioned air options
- Wi-Fi enabled, remote control thermostat options
- Anti-microbial drain pan coating option
- Recycled materials used in manufacturing processes whenever possible
- No HCFC foams or VOC paints used in manufacturing processes

24V Bipolar Ionizer

Venture Wi-Fi Thermostat

Contact your local IEC Sales Representative for further details and pricing applicable to this product. Visit our website (iec-okc.com) to find your local IEC Sales Rep.

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