

From design/build to large project retrofit, USA Coil & Air has almost every type and size covered when it comes to direct drive fan coil units. As one of the few remaining manufacturers of these smaller, high demand units, we not only provide you with the broadest range of design options to suit your installation or exactly match a replacement, but we have your unit when you need it. Vertical and horizontal fan coils, ceiling, wall and room mounted units can be designed for just about any need or requirement. Special control systems and valve packages included.

## UNIT TYPES

- Two or four-pipe, Hydronic cooling/heating, Steam, Direct-Expansion (DX) and/or Electric Heat
- Galvanized steel for hidden units & painted cabinets for exposed units
- Direct Drive Horizontal 200 to 2000 CFM
- Direct Drive Vertical 150 to 2200 CFM

## ARRANGEMENTS

- Above the ceiling and exposed horizontal units
- Furred into wall and exposed vertical units
- Utility area and hallway designs

## HORIZONTAL FAN COIL UNITS

These affordable, compact units are perfect for installation in hotels, apartments, schools and other multi-office buildings as they take up minimal space, offering quiet operation and simplified maintenance. Offered in a variety of designs including low silhouette styling, telescoping frames, exposed and concealed units with removable access panels. High-static models available.



## VERTICAL FAN COIL UNITS

Easily installed and easily maintained, our vertical fan coil units are ideal for heating and cooling in hospitals, office buildings, dorms, hotels and many other applications. These units can be installed exposed or concealed with insulated removable access panels for sound control and easy maintenance.



## VERTICAL - UTILITY/CLOSET UNITS

High-static, high performance, ducted vertical cased units with a choice of either bottom or front return. These units are primarily used in vertical floor-mounted or hideaway applications. The unit is furred into partition walls or hidden in closets, utility rooms and other concealed locations with a ducted discharge.



*Products and specifications subject to change without notice.*



800-USA-COIL



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MADE IN USA

## OPTIONS

- Different row combinations
- ECM motors
- Slope top & low boy designs
- Large capacity unit design
- Valve packages of all types
- Thermostats and controls
- Outside air for vertical models
- Optional grilles

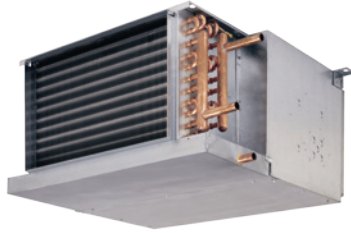
## APPLICATIONS

- Hotels & Motels
- Condos, Apartments & Townhouses
- Hospital & Medical Facilities
- Nursing Homes
- Office Buildings
- Military bases
- Government facilities
- Schools & Universities
- Shopping Centers
- Pharmaceutical & Technology

## QUICK SHIPMENT OPTIONS

USA Coil & Air applies more than 50 years of design and manufacturing experience in the coil and air handling business along with a sincere dedication to providing you with the right products fast. The USA Coil & Air Quick Ship Program helps assure that you can meet deadlines.

Many of our direct drive fan coil units can be built on our 10 or 20 working day Expedited Schedule.



## DESCRIPTIVE INFORMATION:

### BASIC UNIT

The basic unit and cabinet is fabricated of galvanized steel. Many units have decorative cabinets fabricated of heavy gauge steel, bonderized and finished with an attractive, oven-baked paint. The **condensate drain pan** is fabricated of galvanized steel with closed cell, fire retardant, foam insulation coating. Water never touches the metal pan; thus, the possibility of corrosion is minimized. **Removable pan extensions** are available at the coil header end of the horizontal unit to provide positive control of condensate from valves and controls. This extension, being easily removable, provides ready access to valves and piping after unit installation. Vertical units have a **removable front panel** lined with 1/2" woven glass fiber for thermal insulation and acoustic treatment. Removal of the front access panel provides access for easy servicing.

### COILS

Coils have 1/2" O.D. copper tubes with aluminum fins mechanically bonded to the tubes. All coils are leak tested under water and are suitable for design working pressures of 250 psig @ 200° F. A variety of coil selections are available. The standard coil provides adequate capacity for most installations with an 8 to 10° design water temperature rise. A high capacity coil is offered for those installations requiring higher latent heat capabilities or those designed for a 12° water temperature rise. Also offered is a four-pipe coil consisting of standard or high capacity cooling with one and two rows of heating surface.

### FILTERS

Standard filters are 1" throwaway glass fiber. Optional cleanable filters are available.

### FANS

The fans are centrifugal, forward-curved, double-width wheels. Blower housings are galvanized steel with special rolled perimeter seams to provide added rigidity.

### MOTORS

All motors are resilient-mounted, three-speed, with UNDERWRITERS listed thermal overload protection. Motor bearings are of the sleeve type of ball bearing type with oversized oil reservoirs provided to assure positive lubrication with minimum servicing required. Positive speed reduction is assured through careful matching of motor torque to blower loading. Standard motors are permanent split capacitor.

### CERTIFICATION

All horizontal and vertical series units are certified in compliance with AHRI. All units are also listed by UNDERWRITERS' LABORATORIES, INC. This listing signifies that USA Coil & Air's fan coil units have been examined by UL and found to be in complete compliance with applicable standards.

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