

VILTER'S EXCEPTIONAL LINE OF AIR UNITS FEATURE:

• **Exceptional Warranty** – Only Vilter offers a 5-year coil warranty on hot-dip galvanized steel coils. The coils are constructed with spec tubing. Coils are hydrostatically tested after fabrication at 300 psi.

• **Increased Air Flow/Increased Capacity** – Improved plate fins with collar spacing produce the most efficient surface for hot-dip galvanized and expanded stainless steel coils. There are no secondary tab spacers which restrict air flow or inhibit defrost. As a result, they are easier to clean.

• **Circuiting** – Coils are circuitured for liquid recirculation, flooded, direct expansion and brine applications. Tubing sizes and circuiting are optimized for coil performance.

• **Fans** – Fans are selected for optimum performance over the entire range of conditions. Fans are rated for operation with a slightly frosted coil.

• **Minimized Sound/Optimal Efficiency** – To minimize sound levels and optimize fan efficiency, most fans are selected for operation at 1150 RPM. Unit specifications include sound DB levels for most models.

• **Enhanced Air Flow** – Air flow is enhanced with spun fan orifice rings and deep air plenums. The deep plenum and compartmentalizing fan sections insures even air distribution and high unit efficiency.

• **Energy Efficient Motors** – The motors in all Vilter air units are energy efficient, industrial quality and designed specifically for refrigeration applications. Standard motors are totally enclosed. Fractional horsepower, three phase motors have internal overload protection as standard. Premium efficiency, two speed, explosion proof, or stainless steel motors are available upon request.

• **Fan Guards** – OSHA approved fan guards with non-chip, zinc/dichromate finish or vinyl coating are standard on all of Vilter's propeller fan models. Stainless steel guards, air directional louvers and discharge cones are also available.

• **Well-Designed Drain Pans** – Drain pans are constructed of heavy gauge, double wall, corrosion resistant steel with 1" thick closed cell insulation, except for the floor-standing FP, CC and CF models.

They offer non-insulated hot-dip galvanized combination pan and bases as standard with optional insulated bases. Pans are pitched to promote drainage. Maximum heat transfer during defrost is assured with the pan coil secured to the pan and in direct contact with the ice and water. The durable stainless steel pan coil provides the ultimate in dependability.

• **Easy-To-Clean Housing** – The structural steel frame on each Vilter air unit is hot-dip galvanized after fabrication or constructed of stainless steel and covered with heavy gauge mill galvanized or stainless steel sheet metal. Exposed edges are hemmed for safety and cleanliness.

• **Options** – Vilter offers a variety of optional equipment and accessories, including variable fin spacing, externally mounted fan motors, water defrost, motors prewired to junction boxes, directional louvers, clean-in-place systems, reheat coils for humidity reduction, full width drain pans and more.

• **Optional Defrost Control Packages** Control valve and service valve packages are available for air, hot gas and water defrost systems. Each package is customized to your special application and available options include: threaded, flanged and weld-in-place service valves, conventional defrost relief regulator or liquid drainer, defrost timer, termination thermostat, and defrost sensors.

• **Optional Electrical Control Panels** – Vilter air units can be furnished with mounted control panels or control panels shipped loose for field mounting in your motor control center. Panels are available with a variety of features, including:

- NEMA 1, 4 or 12 enclosures
- Fused or non-fused disconnects
- Individual motor starters
- Single contactor with individual overloads
- Defrost timer
- Control voltage transformer
- Heat tape receptacle



LP and VLP Models

Vilter's Low Profile (LP) and Very Low Profile (VLP) air units are ideal for low headroom applications and smaller room sizes. Both units are extremely quiet with 1/3 HP, 1150 RPM, and 16" (VLP) or 18" (LP) propeller fans. Standard units are draw-through type but can be furnished for blow-through operation for low discharge air velocities. VLP units come standard with full width drain pans.



SC and SSC Models

Standard Cooler (SC) and Stainless Steel Standard Cooler (SSC) units are furnished with either 1/2 HP motors for wet coil operation or 3/4 HP motors for frosted coil operation. Both types use 24" diameter propeller fans with 1150 RPM motors for quiet operation. Draw-through design is standard. Blow-through is optional. The SCX model (shown above) is a draw through model with optional externally mounted motors.



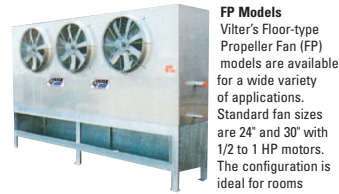
HP Models

For Freezers or Coolers, Vilter's High Performance (HP) medium capacity units are furnished with 1 HP or 1-1/2 HP motors and 30" diameter cast aluminum fans operating at 1150 RPM.



BF Models

For Blast Freezers or Large Cold Storage Facilities, Blast Freezer (BF) units are available in sizes from 14 square feet of face area and above. These units can be selected for the external static pressure required. 2 HP to 10 HP motors drive 30" to 42" diameter fans. The BF can be used in downblast and penthouse configurations. Special coil and fan banks are available for spiral conveyor applications.



FP Models

Vilter's Floor-type Propeller Fan (FP) models are available for a wide variety of applications. Standard fan sizes are 24" and 30" with 1/2 to 1 HP motors.

The configuration is ideal for rooms requiring refrigeration where ceiling-hung units are not practical. Custom units to meet specific space limitations and capacity are available.



CV Models

Cabinet-style High Velocity (CV) chiller units with straight air flow are ideal in processing applications for quick pull-down in batch loaded cabinets. Standard fan sizes are 24" and 30" with 1 HP motor. Special units can be provided for large conveyor systems.



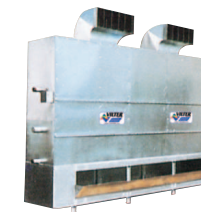
UF and SUF Models

Well Suited for Work Rooms & Chill Rooms with an Umbrella Air Flow (UF) pattern, these quiet, low air velocity units are furnished with 1/3 HP 18" fans or 1/2 HP 24" fans. Both are available with special 2-speed motors.



KK/BB Models

Vilter's KK/BB models are ideal for very low headroom applications. With an improved air delivery and air distribution system, the 1 HP, 1150 RPM centrifugal fans provide low velocity circulation with extremely low noise.



CC and CF Models

For a Wide Variety of Applications. Vilter's Centrifugal (CC) and (CF) models offer a wide range of capacities in both ceiling-hung and floor-standing configurations. These units can be used in systems requiring external static pressure. In addition, they are well suited for coolers and freezers where long air throw and quiet operation is required. Fan diameters range from 18" to 25" with 3 to 30 HP motors.



Blast Freezing Tunnel Air Unit With 90° Down Blast Hood



Air Unit with Air Directional Louvers

SPECIAL APPLICATIONS/CUSTOM DESIGN

In addition to the large selection of standard model air units, Vilter has the experience and capabilities to design a custom unit to your exacting requirements. Vilter air units are available with:

- Seal Welded Enclosures
- Brine and Glycol Coils
- Special Air Delivery Systems
- Reheat and Heat Reclaim Units
- Custom Coil Banks
- Hydro Cooling
- Special Sizes and Configurations
- Corrosion Resistant Coatings
- All Stainless Steel Construction

Vilter also offers a complete line of Colmac aluminum and copper air units. For more information on custom units for special applications, please contact your local sales representative or call Vilter's corporate office at 414-744-0111.