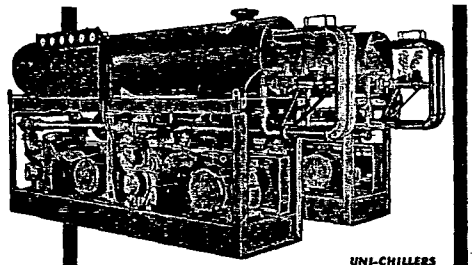
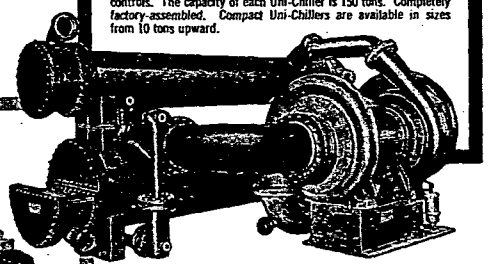
THE VILTER MFG. CO. Milwaukee 7, Wis.

Custom-fit Your Air Conditioning and Refrigeration Requirements from Vilter's Complete Line



UNI-CHILLERS

Each of these special Vilter self-contained units consists of two compressors and 75 hp motors, condenser, water chiller and controls. The capacity of each Uni-Chiller is 150 tons. Completely factory-assembled. Compact Uni-Chillers are available in sizes from 10 tons upward.

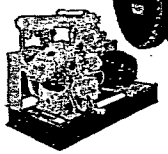


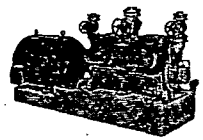
CENTRIFUGAL COMPRESSOR

Completely automatic. Two stage compression. Designed primarily for air conditioning. Comes in 20 models with capacity range from 100 to 1500 tons. Flash cooling optional. Aerodynamic adjustable guide vanes. High efficiency volute diffuser casings.

TWO-STAGE VMC COMPRESSOR

Compact two-stage cooling in one trim package. Direct-connected or V-belt drive. Speeds of 1000 and 1200 rpm. For operation with ammonia, Refrigerant -12 and -22. Self-contained unit with automatic control.





VMC COMPRESSORS

Designed for ammonia and refrigerant -12 and -22. Also available in 2, 4, 6, 8, 12 and 16-cylinder sizes. Maximum capacity in a minimum of floor space assures most economical use of space.

VXF EVAPORATIVE CONDENSER

Capacities of 30 through 360 tons. Saves 90 to 95% in water costs. Permits large compressor installations where water is scarce.





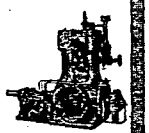
POLARFLAKE ICE MAKER

Produces ice in popular flake form as needed. Easy to handle Polarflakes are cold, crisp. Ideal for food industries to reduce product spoilage. Units up to 5-ton capacity.



LIQUID TRANSFER SYSTEM

Eliminates "slugging" and prevents unexpanded refrigerant from entering the compressor, for more efficient and economical operation.



VERTICAL COMPRESSOR

Twin cylinder ammonia units in sizes from 5 to 100 tons. V-belt driven or direct connected.

• Large or small, compact, well-engineered Vilter air conditioning and refrigeration units are highly efficient performers . . . pack a lot of cooling and refrigeration capacity into a small space.

Besides the space-saving design of its equipment, Vilter units are economical to operate, simple to install, and require a minimum of maintenance. Quality-minded fabricating techniques and factory run-ins of Vilter equipment assure reliable on-site performance and a long operating life. You get real value from Vilter in steady year-by-year savings.

You can draw on Vilter's many years of experience in practically every industry where air conditioning and refrigeration is required for a clean-cut layout. A complete line of integrated equipment permits Vilter to provide equipment for your entire installation at a considerable saving in time and money.

See your nearest Vilter distributor for his recommendation.

Write to Dept. ACG-904 for helpful Vilter bulletins on any of the above equipment.

Vilter® refrigeration air conditioning

The Vilter Manufacturing Company
Milwaukee 7, Wisconsin
Ammonia and Freon Compressors
Pakice and Polarflake Ice Makers
Ammonia Liquid Transfer Systems
Evaporative and Shell and Tube Condensers
Pipe Coils
Valves and Fittings

Aerovent Fan Company, Inc.

Ash and Blade Sts. Piqua, Ohio

Efficiency-engineered industrial fans and air handling equipment

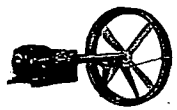


DIRECT CONNECTED

Heavy-duty units for industrial exhaust or air supply. Steel ring or panel orifice. Size 9 in. to 96 in. with 2, 4 or 6 blades. For capacities to 145,000 cfm. Also available in Extended Shaft and Pulley types. *Write for Bulletin 100.*

EXTENDED SHAFT

For high temperature, moisture or corrosive conditions. Ring or panel orifices. Sizes 12 in. to 84 in. with 2, 4 or 6 blades. Capacities to 120,000 cfm. *Bulletin 100.*





NEW "LS" FANS

Belted and Direct Driven Ring, Panel or Duct types with new 4-blade "Macheta" Airfoil Propellers for peak performance at resistances to 1¼ in. S.P. Sizes 24 in. to 60 in. for capacities to 72,510 cfm. Ask for *Bulletin 700.*

PORTABLE UTILITY

For personnel cooling, product drying and processing and fume removal. Adjustable for 180 degree discharge. Sizes 16 in. to 36 in. for capacities to 20,450 cfm. *Bulletin 260.*





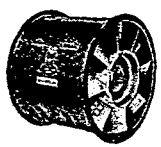
MANCOOLERS

For spot cooling of men and machines, exhaust and general air circulation. Cradle, pedestal and 2 or 4-wheeled types. Portable, adjustable for 180 discharge. Sizes 24 in. to 48 in. with 2, 4 or 6 blades. Capacities to 40,000 cfm. *Bulletin 260.*

DUCT FANS

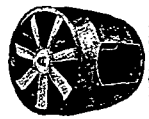
Direct and Belt-Driven types for hazardous and non-hazardous fumes, dusts, vapors and high temperatures. Sizes 12 in. to 96 in. with 2, 4 or 6 blades. Capacities to 145,000 cfm. *Bulletin 151.*





TUBEAXIAL

New high-speed, belted and direct-driven 8-blade units for medium pressure applications. Easily installed in present ducts or new construction. Sizes 16 in. to 30 in. for capacities to 20,000 cfm. *Bulletin 350.*

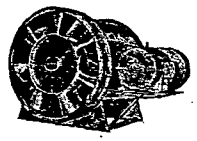


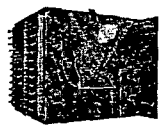
SEMI-PRESSURE FANS

Standard units with new 7-blade propellers move more air with less power at resistances to 4 in. S.P. Sizes 14 in. to 60 in. Five types. Shown is "Bi-Flo" Duct Fan. *Bulletin 400.*

VANEAXIAL

Designed for maximum economy and efficiency against pressures to 6¼ in. S.P. High-velocity, straightline air discharge. Sizes 12 in. to 60 in. Capacities to 74,860 cfm. *Bulletin 450.*



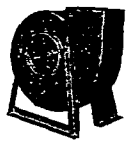


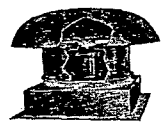
AIR MAKE-UP UNITS

Temper and filter outside air entering work areas. Steam, hot water or gas-fired models. Sizes 24 in. to 54 in. for capacities to 45,000 cfm. Also available as air heater or filtered air supply units. *Bulletin 880.*

CENTRIFUGAL BLOWERS

For materials-handling, dust-collecting or exhaust systems. Reversible rotation. Adjustable discharge. 19 in., 26 in., 33 in., 40 in. and 51 in. wheel diameters. *Bulletin 700.*



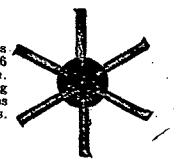


ROOF VENTILATORS

Three popular models, powered for industrial exhaust or air supply requirements. Heavy - duty, all-weather construction for efficient operation in all climates. Sizes 12 in. to 72 in. with 2, 4, 6 or 7 blades. For capacities from 850 to 93,500 cfm. *Bulletin 600.*

LARGE DIAMETER PROPELLERS

Adjustable-pitch aluminum alloy blades with cast aluminum hubs in 4 and 6 blade types and sizes 54 in. to 144 in. New AL-Metal propellers for cooling tower and heat exchanger applications in sizes 14 in. to 18 in. with 4 or 6 blades. *Bulletin 620.*





PENTHOUSES

Weather-tight enclosure for exterior mounted fans. Eliminates downdrafts; provides safe exit for fumes and vapors. Sizes 16 in to 72 in. Shutters optional. *Bulletin 650.*

Air deliveries of Aerovent equipment are determined in accordance with established and accepted codes and each unit is guaranteed by the manufacturer to deliver rated performance.

CERTIFIED PERFORMANCE