

The Herman Nelson Corporation

Moline, Illinois

BRANCH SALES AND SERVICE STATIONS

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BOSTON	SCRANTON	COLUMBUS	MILWAUKEE	OMAHA	PORTLAND
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NEW YORK CITY	GRAND RAPIDS	INDIANAPOLIS	ST. LOUIS	DENVER	VANCOUVER
SYRACUSE	DETROIT	CHICAGO		SALT LAKE CITY	TORONTO

Product: UNIVENT System of Ventilation.

Univent: The UNIVENT, which is electrically operated draws fresh air through the wall or window, cleans it, warms it to a comfortable temperature and diffuses this fresh air to every nook and corner of the room.

There are six UNIVENT models: "S," "S-D," "R," "O," "W" and "W-R."

Each of these models are made in various sizes and capacities to meet most problems in ventilation.

Cabinet: All models are 38 in. high. Model "S" and "S-D" 12½ in. deep, model "R," "O," "W" and "W-R" are 16 in. deep. The width of the various models vary according to their capacity.

The UNIVENT cabinet is built of high grade furniture steel, properly re-inforced to insure utmost rigidity and durability.

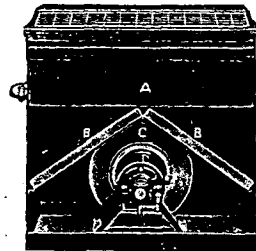
The light front panel is easily removed making all parts accessible for cleaning and inspection. The cabinet is regularly finished with two coats of olive green enamel, baked on.

Radiator: The radiator is made of pure copper plates securely and tightly pressed to core of special silumin metal. Silumin metal is non-corrosive. This is a leak-proof, high capacity, last-forever radiator, with low temperature surface.

It heats air from 40 deg. below zero to 70 deg. or from zero to 110 deg. when the UNIVENT is in operation.

Univent Fan and Motor: A single aluminum low speed fan is used. No housing is necessary for this fan.

All models of UNIVENT can be equipped with direct or 60 cycle alternating current motors, and are recommended in the following order: Direct-current, poly-phase, alternating current, single-phase alternating current.



Open View of UNIVENT illustrating

- A—Copper radiator without a single joint, absolutely leak-proof.
- B—Air filter easily removable for cleaning.
- C—Cone type fan specially insulated for quiet operation.

UNIVENT

(TRADE MARK)

Ventilation

Filter: Filters for removing dirt, dust, soot and sand from the air can be installed in the UNIVENT if desired. No nuts, bolts or screws are necessary for installation.

Automatic Temperature Control: Any well known system of temperature control may be used with the UNIVENT System.

Capacities: Four sizes of each model with capacities varying from 500 to 1500 cu. ft. of air per minute can be furnished.

Service Stations—Information: Representatives and Service men are located in each of the cities listed above.

Catalogs containing complete engineering data can be furnished on request to our main office at Moline, Illinois.

John J. Nesbitt, Inc.

Branch Offices and Representatives

ST. PAUL, MINN.

PORTLAND, ORE.

POWER EQUIPMENT Co.,
816-17 Lewis Bldg.

SEATTLE, WASH.

POWER EQUIPMENT Co.,
1347 Dexter-Horton Bldg.

ESTABLISHED 1894

Manufacturers of

The Universal Unit Ventilation System

EXECUTIVE OFFICE AND FACTORY

213 N. Vermont Avenue

Atlantic City, New Jersey

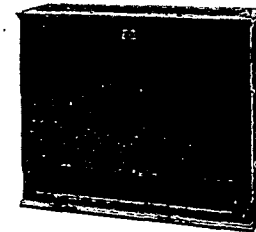
Branch Offices and Representatives

NEW YORK CITY
JOHN J. NESBITT, INC.,
405 Lexington Ave.

DENVER, COLO.
HENRIED & BOLTHOFF
MFG. AND SUPPLY CO.,
1621 Seventeenth St.

MINNEAPOLIS, MINN.

DULUTH, MINN.



THE UNIVERSAL UNIT

The Standard by Which All Other Makes are Measured
Trade Mark Reg. U. S. Pat. Office

Motor

Motor of UNIVERSAL UNIT can be supplied to operate on any voltage of direct current or any cycle or voltage of polyphase alternating current. Where single phase current is available, it is necessary to install a motor generator set to convert that character of current to 110-volt direct current.

Three-Point Lead Mounting

The motor and fan, assembly of the UNIVERSAL UNIT is mounted in the cabinet on three steel ball points. These points rest on lead liners, supported by angles from the side of the casing. This three-point lead mounting has made possible the use of polyphase alternating current motors with a permanent and rigid supporting device.

Universal Unit Radiator

Standard UNIVERSAL UNITS are provided with 106.25 sq. ft. of prime surface extruded copper tube radiation. The radiator weighs only 61 lbs. complete. This radiator is composed of a plurality of individual, thin walled, seamless copper tubes the ends of which are hexagonal and assembled resemble a true honey-comb in appearance. The steam is free to flow between the tubes in both a vertical and horizontal direction. The air flows through the tubes, so that the tubes are entirely surrounded by steam on one side and swept by air on the other side, which means 100 per cent prime surface.

Temperature Control Damper

The UNIVERSAL UNIT is provided with a temperature control damper, which can be manually or thermostatically operated to regulate the temperature of air from Unit.

Products

Manufacturers of the UNIVERSAL combined heating and ventilating Units. (Portable Unit ventilators). Also UNIVERSAL exhaust fans and UNIVERSAL air filters.

Universal Unit System of Heating and Ventilating

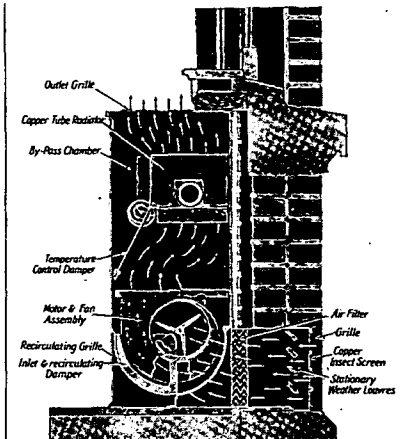
A mechanical system of ventilation for supplying fresh warm air directly from outdoors for use wherever good ventilation is required and particularly suitable for school house ventilation.

Universal Combined Heating and Ventilating Units

The cabinet of the UNIVERSAL UNIT is constructed of No. 14 gage cold rolled, stretched leveled, pickled and oiled first quality furniture stock steel. All parts of the UNIVERSAL UNIT are finished in olive green, sprayed and baked to a smooth hard finish.

Fans

UNIVERSAL Fans are of the multi-blade low speed double inlet type, designed to operate at 800 r. p. m., plus or minus 5 per cent. The fans are rigidly constructed of aluminum with special care given to balance. Fans are mounted on double extended ends of the motor shaft.



Vertical section, end removed, UNIVERSAL UNIT, Series No. 14-5643. Fresh air intake through wall box and grille near bottom of Unit. This Unit can be recessed to depth of 4 in. as shown, recess must be 60 in. long by 36 in. high, or can be recessed 2 in. in 43 in. long recess 36 in. high. Standard practice places the Unit flush with the inside wall.