

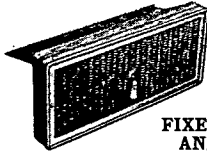
Barber-Colman Company

ENGINEERED
AIR DISTRIBUTION
OUTLETS



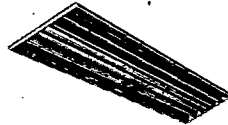
Rockford, Illinois

AUTOMATIC
TEMPERATURE
CONTROL SYSTEMS



FIXED FIN GRILLES
AND REGISTERS

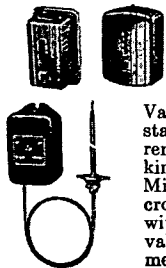
Quality-built units with directional diffusing fins provide quiet, uniform, draftless air distribution. Made in wide range of types and sizes. When system is engineered from accurate data tables, performance is *guaranteed*.



LINE TYPE CEILING
OUTLETS

A new idea in air distribution, matching modern architectural concepts and continuity of design. Linear panel units can be used singly, end to end, or in patterns. Also furnished for combination with M21118 Day-Bright fluorescent lighting unit.

ELECTRIC CONTROLS



THERMOSTATS

Various types of thermostats for room, duct, remote bulb, and other kinds of installations. Microtherms for the micro-control system. Used with Barber-Colman valves and other equipment.

1250



DOUBLE DEFLECTION GRILLES

Greater versatility from simple units is obtained by adjustable vertical fins and removable core. High aspiration efficiency, rapid diffusion, maximum temperature differential, minimum pressure drop, and *guaranteed performance*.



CEILING OUTLETS

Provide uniform peripheral air distribution with quiet operation and high diffusion efficiency. Neat in appearance and made in several types and a full range of sizes and capacities. Adaptable to all kinds of ceiling systems.

MOTOR-OPERATED VALVES

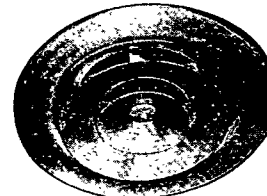
Powerful motor-operators provide positive valve action for accurate control of flow of steam, gas, water, oil, or other fluids. On-off or proportioning types in a wide range of sizes. Write for catalog F-1753-1.



Charles Demuth & Sons, Inc.

Mineola, N. Y.

Demuth Draftless Air Distributors



Supply & Return

Designed and
Patented by
Demuth

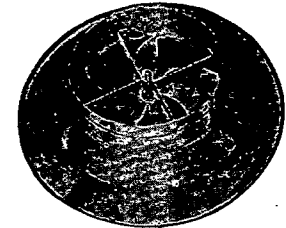
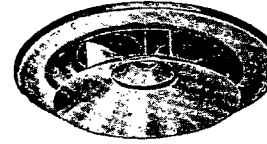
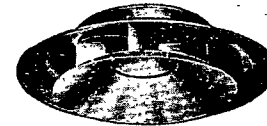


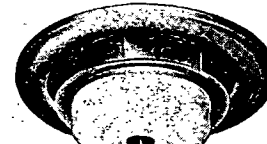
Illustration showing
curved vane principle



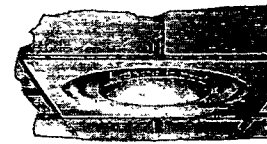
Type (S)



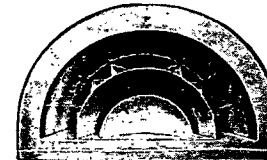
Type (I)



Type (SL)



Type (M)



Type (SW)

The DEMUTH DRAFTLESS AIR DISTRIBUTOR consists of a series of curved vanes, mounted on a deflecting cone, to insure 360 deg distribution without the aid of secondary equalizing devices. A second hollow deflecting cone is arranged at a tangent to the primary cone, forming an injection nozzle.

The curved vanes discharge the supply air in turbulent streams, mixing room air with conditioned air, thereby providing constant air motion, uniform temperature and draftless distribution throughout the room.

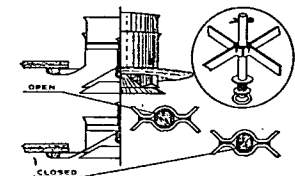
Secondary air currents, which are created by the turbulence of the discharge air, are drawn into the diffuser by the bottom or secondary cone, mixed with the supply air, resulting in positive aspiration.

These diffusers are available in all sizes and are manufactured of aluminum, steel or special metals. The respective finishes of these metals are: Polished, Satin or Painted Aluminum, Painted Steel, Stainless Steel, etc.

Lighting Fixtures as illustrated by Type SL are standard accessories and are available in Type S, Type F and Type I. For pendant or other special lighting applications, please consult your local representative or write direct to the factory.

Volume Controls can, upon request, be incorporated into the diffuser at the time of manufacture. This device is intricate in design and simple to install—two very desirable features. It adjusts the volume of air supplied without decreasing the efficiency of the DISTRIBUTOR.

For further details, consult our complete catalog.



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