

CONNOR ENGINEERING CORP.

Danbury, Conn.

CONNOR

kno-draft

adjustable air diffusers

Representatives in
All Principal Cities

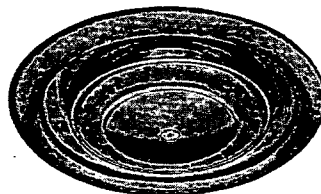
CONTROLLED AIR DIFFUSION

Connor Engineering Corporation offers a complete line of Kno-Draft air diffusers to meet every industrial, commercial or residential air distribution requirement. A complete range of sizes in round, square, panel and slotted models is available. Their design is the result of intense research and laboratory testing directed toward producing the simplest, most attractive device to accomplish the greatest effectiveness in *controlled* air diffusion.

Geometrically proportional design, size for size, insures uniform static pressure at like neck velocity—simplifies the selection of various size diffusers for a common system.

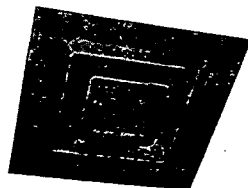
Circular Air Diffuser

Illustrated is the Kno-Draft type KDA adjustable air diffuser. Both air volume and diffusion pattern can be independently regulated, *after installation*, by simple screw adjustments. Constructed of sturdy, spun aluminum, in sizes from 4 to 36 in. neck diameter—with or without patented sleeve-type damper. Also available with built-in light fixture or loudspeaker housing. For complete specifications write for *Bulletin K-20-A*.



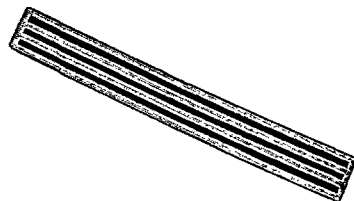
Square Air Diffusers

The attractive Kno-Draft square air diffuser is offered in two modern types designed for easy installation—Type KP (overlap) for flush mounting on plaster or similar ceilings—Type KPT for snapping into T-bar framework of acoustical or tile ceilings. Each model is available with the sleeve-type damper. Despite their square design, both models deliver supply air in true circular pattern for uniform effectiveness. Complete details are given in *Bulletin K-27*.

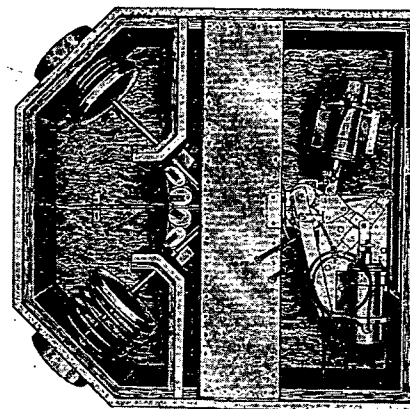


Slotted Air Diffusers

Kno-Draft Series KLS all-aluminum slotted diffusers are particularly adapted to board rooms, foyers, lounges and similar spaces. Available in lengths from 2 to 6 ft and in widths of 3½ in. and 6 in. for single direction blow and 12 in. for two-direction blow. These handsome units may be installed singly or butted in series to form a continuous slot for perimeter heating or cooling. The classic lines of the extruded aluminum vanes complement any decor. Series KLS diffusers are complete with built-in air volume and air-direction control. Complete details in *Bulletin K-27*.



HIGH VELOCITY VALVE ATTENUATORS



Series 45
High Velocity
Valve Attenuator

In the past decade High Velocity air conditioning systems have earned ever-increasing favor with heating and ventilating engineers. This is due chiefly to the many space and money saving advantages inherent in this type of system.

However, the raising of duct static pressures and temperature differentials imposes severe restrictions on the air outlets. It is at this terminus that supply air velocities must be reduced with a minimum of noise and with a maximum mixing rate to assure rapid temperature equalization. Since 1949, Connor Engineering Corporation has been continuously active in the development and production of High Velocity Diffusers that would fulfill these requirements. The most recent development in Connor's research program is the Series "45" Valve Attenuator. This new concept in dual duct design incorporates the latest advances in pneumatic controls and air mixing techniques. Five of its features are particularly important to the design engineer planning a new installation. They are: 1. 45 deg Inlets for easy integration with duct layouts; 2. Helical Neoprene Dampers for maximum quietness, high velocity air is throttled through a soft-walled venturi section; 3. Aircraft Cable Drive—Frictionless drive over nylon pulleys eliminates control lag and assures precise temperature regulation; 4. Constant Volume Control—Standard components of control manufacturers completely regulate both the hot and cold air flow and total air volume; 5. Sinuous Baffle—a combination of deep layers of sound lining plus a sinuous baffle blank off both low and high frequencies for maximum sound attenuation.

Series "45" specifications and dimensions for both single and dual duct valve attenuators are available. Write for *Bulletin K-35*.

TECHNICAL LITERATURE AVAILABLE

Complete information on Kno-Draft high pressure diffusers is contained in *Bulletin K-33*. This manual also answers many of the questions about high pressure air transmission and contains detailed information for designing these systems.

Bulletin K-0, a newly published 8-page catalog, gives complete specifications and dimensions on the new line of Kno-Draft Registers and Grilles.

The Bulletins described on these pages may be obtained by writing on your company letterhead to: Connor Engineering Corp., Dept. Y29, Danbury, Connecticut.

Kno-Draft Diffusers are covered by U. S. Patents Nos. 2,365,867; 2,369,119; 2,432,289; 2,791,169 and others pending; Canadian Patents Nos. 429,206; 443,235; 527,783.

See page • 140 for data on Dorex Air Recovery and Air Purification Equipment.