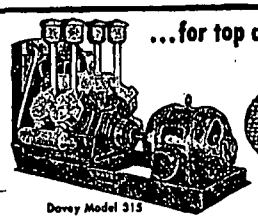
...for top air output *plus* economy



Davey Model 315

SPECIFY DAVEY DEPARTMENTAL *Compressors*

IN LINE with today's trend toward employment of small departmental compressors instead of one large centralized machine, Davey offers a complete line of industrial units.

These are available in 60, 105, 160, 210 and 315 c.f.m. capacities. And every Davey has GUARANTEED LIFETIME VALVES.

DAVEY COMPRESSOR CO. • KENT, OHIO

DAVEY DEPARTMENTAL COMPRESSORS GIVE YOU THESE ADVANTAGES

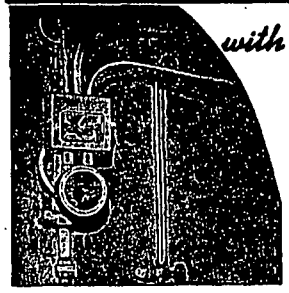
- Power savings
- Lower air losses
- Maximum air operating efficiency
- Make plant expansions easy and economical
- Eliminate shutdowns due to compressor failures
- Air cooling eliminates water bills
- Ease of installation
- Reduced maintenance and replacement expense

Write for Bulletin E-219

DAVEY

DAVEY COMPRESSOR CO. Dealers in Principal Cities

No Waterlogging or Air Binding in HYDRO-PNEUMATIC TANKS EQUIPPED *with* **DUOTROL**



The DUOTROL maintains high water level at a fixed point and correctly balances air pressure after each pumping operation. It provides a maximum volume of water with a minimum of pump operation, saving power and reducing wear. Easy to install, stable adjustments.

The DUOTROL shown is on a tank where water at 50°F is pumped from a 600 ft. well for summer cooling of a complete shopping center. The pressure range is from 30 to 70 lbs.

Ask for Bulletin D-6.

"AUTOMATIC" also makes pressure and float operated pump controls: multi-circuit sequence type, multi-circuit program type, float switches, automatic alternators, and many special controls built to specifications.

AUTOMATIC CONTROL Company
1009 UNIVERSITY AVE., ST. PAUL 4, MINN.

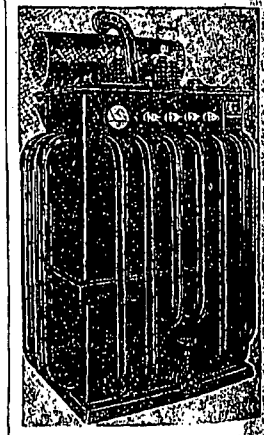
AUTOMATIC CONTROLS are used by all leading pump manufacturers. When ordering new pumps, specify controls by AUTOMATIC CONTROL CO.

hose. Simple gas and air adjustments afford a wide range of flame types to fit any application. Torch comes complete with motor, 10 ft of electrical cable, 4-ft stand, and gas and air controls. Gas hose is not furnished. North American Mfg Co, Cleveland 5, Ohio.

Split Coupling E436

SUITABLE FOR USE with conduit sizes from ½ to 5 in., this coupling is well adapted to cramped spaces or where it is impossible to screw *L* conduit into ordinary fittings.

With this coupling, a permanent connection is made by butting conduit ends together within the split coupling and tightening down two nuts. Bolt heads are held in place by the coupling shoulder. Spring steel washers prevent these nuts from loosening. The threaded inside of coupling meshes with conduit threads, which assures a permanent connection. O Z Electrical Mfg Co, 262 Bond St, Brooklyn 2, N. Y.



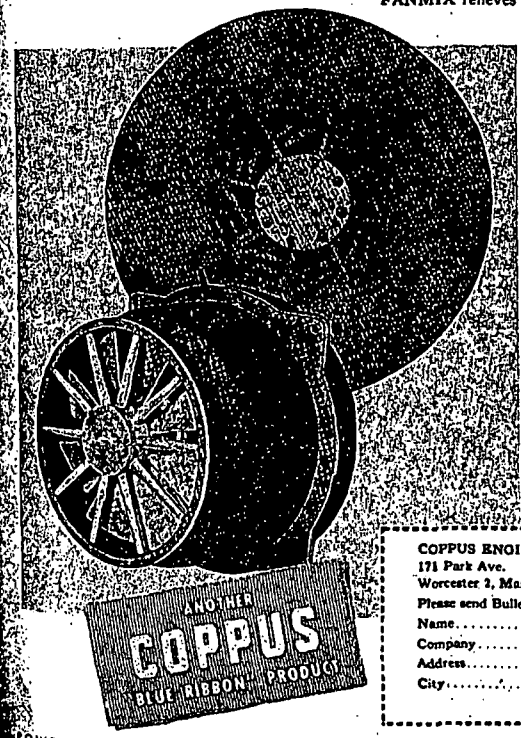
Power Transformer E437

THIS TRANSFORMER is equipped with oil expansion tank that is normally half filled with oil and connects directly to main tank. Tank has a gage to indicate oil level, ventilating breather, and necessary clean-out holes. A pressure-relief diaphragm is provided in the event undue pressure is generated within transformer. Units are available in sizes up to 400 kva and 15,000 v. Elsler Engrg Co, 750 S 13th St, Newark 3, N. J.

Flow Alarm E407

AUTOMATIC ELECTRIC-ALARM SYSTEM was developed as an integral part of the company's line of flow indicators. Alarm consists of selectivity controls, a sensitive microswitch and electric wiring to the

The **FANMIX** **BURNER** *gives you more heat from gas or oil*



Increase Boiler Ratings On Present Or Planned Equipment

In all types of Coppus-Dennis FANMIX Burners — straight gas or combination gas-oil — we utilize the energy of the fuel under pressure to drive the burner fan and deliver air in the proper proportion to the fuel flow. This exclusive "pinwheel action" *mechanically* mixes fuel and air in exactly the right proportions for truly radiant, non-luminous heat.

The result is uniform temperature everywhere in the combustion chamber — no drifting "hot spots" — and complete combustion under all conditions. That's why you can release more heat into your present furnace — why in new installations you get more heat into smaller furnace space.

FANMIX Saves On Both Old and New Installations

FANMIX can easily be operated with your present furnace and stack, requiring only minor changes in other equipment. Or if you're planning on new boilers, remember that FANMIX relieves the furnace from the burden of mixing, creates its own forced draft and takes smaller pipe sizes. Which means you can plan on reduced combustion space, less stack, no forced draft equipment and lower installation costs all around.

Get the Whole Story

Coppus engineers FANMIX Burners to meet individual requirements, providing complete control over heat pattern and combustion . . . Learn more about how "pinwheel action" can step up your boiler performance to peak efficiency and economy — as it is doing throughout industry. Send for Bulletin 410-5. Coppus Engineering Corporation, Worcester 2, Mass. Sales Offices in THOMAS' REGISTER. Other Coppus "Blue Ribbon" Products in BEST'S SAFETY DIRECTORY, CHEMICAL ENGINEERING CATALOG, and REFINERY CATALOG.

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