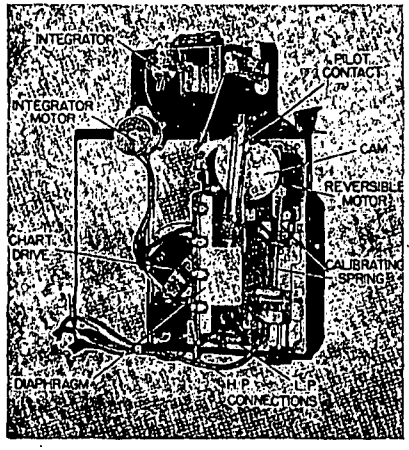
More EQUIPMENT NEWS

Begins on page 154

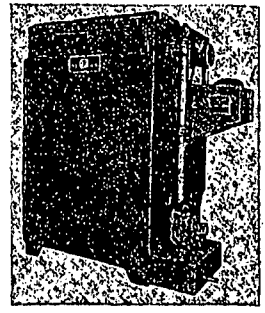


Differential Flow Meter

122 • *Diaflow* meter is designed for measuring air flow, gas flow, or recording the ratio of air flow to gas flow. Unit is adaptable for industrial furnaces and sewage disposal plants. No load is placed on the measuring element, so meter gives high accuracy with negligible friction. Dry diaphragm type measuring element eliminates water, oil, mercury and leveling; unit construction used throughout.

Measuring element is *Hays* differential type diaphragm unit that will accommodate static pressures up to 10 lb and differential pressures up to 20 in. of water. Single heavy-duty fine silver wiping contact converts the diaphragm differential into an electrical impulse that energizes the reversing motor, providing power for the meter.

Hays Corp, Michigan City, Ind.



Air Conditioner

126 • Apparatus dries or moistens atmospheric air by the "liquid contact method." Relative humidity and temperature are fixed independently in this unit. Filtered fresh air enters a spray chamber that either adds or removes moisture by absorption or condensation. Temperature or absorbent concentration of the spray liquid determines moisture content of air leaving the chamber. Temperature is fixed separately, either inside or outside the apparatus.

Spray liquid used for removing moisture may be either refrigerated water or *Hygrol*, a stable organic absorbent liquid automatically held at the proper concentration. Applications include dehumidifying for processing or drying, air conditioning, etc.

Niagara Blower Co, 405 Lexington Ave, New York 17, N. Y.

Electric Convection Heater

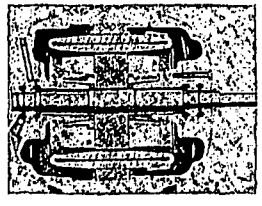
123 • *Circle-Air* convection heating system employs a fin-type heating element that does away with all burning surfaces. Five sizes available from 700 to 2800 w, either with or without built-in thermostat. Unit has gray metal cabinet, can be recessed within or placed against wall.

Paley Mfg Co, 244 Herkimer St, Brooklyn 16, N. Y.

Heat Machine

148 • Adjustable vent for permanent installation or portable on-the-job use is featured in 168,000 Btu heat machine. Model VO-168 uses counterflow principle of spraying heat across floor areas in 6-ft thick blanket. Equipped with wheels for portability, unit operates from detached fuel supply, burns Nos. 1 or 2 fuel oil, has 10 gallon optional fuel tank. Dimensions are 21x33x69 in.; weight is 345 lb. Unit has start and stop switch. Bulletin L-5391.

Fageol Heat Machine Co, 5725 Mt. Elliott Ave, Detroit 11, Mich.

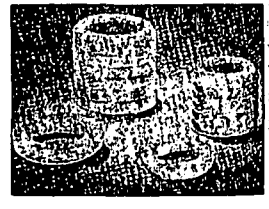


Totally-Enclosed Motor

138 • Type SS was designed for service where dampness, dust, fire hazards and corrosive fumes are prevalent. This metal is self-cooling hence has no exterior fan or heat-dissipating fins.

This motor, also available in Type SES, has been approved for explosion-proof service in hazardous locations by the Underwriters' Laboratories, Inc. Motors are available in a range from 1/3- to 2-hp and will later be produced in larger ratings. Bulletin No. 1784.

U S Electrical Motors Inc, Box 2058, Terminal Annex, Los Angeles 54, Calif.



V Packing Rings

130 • V packing rings molded from *Teflon* are now available in all sizes, in two designs. *One is for low pressure* and the other for high pressure, up to 5000 psi. Both types can be used against any substance within the range of −90 to +500 F, and are said to give effective seal at low gland pressure and with a minimum of friction. Applications include reciprocating and rotating service on valves, pumps and fittings.

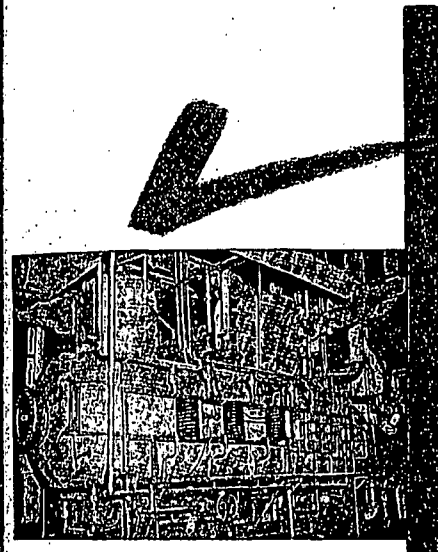
Flexrock Co, Packing Div, 3677 Filbert St, Philadelphia 4, Pa.

(Continued on page 158)

For more data on these items, use post cards, p. 163, identify your request with item number.

Do you need proved power plant equipment? —let this ALCO check list help you

1 Closed Type Feedwater Heaters
2 *Evaporator Condensers*
3 Condensate Coolers
4 Jacket Water Coolers
5 Lubricating Oil Coolers
6 Evaporators
7 Oil Tank Suction Heaters
8 Fuel Oil Heaters
9 Blowdown Exchangers
10 Aircooled Heat Exchangers
11 Prefabricated Pipe
12 Propane Storage Tanks
13 Large Diameter Water Lines
14 Penstocks



For Example—ALCO Flex-Tube Evaporators have a positive-acting, thermomechanical descaling action.

Making use of this principle, engineers designed a patented arrangement of struts, tension bars and split support plates. The tubes bend or flex when heat is applied to the coil side. When cold water is sprayed over the tube bundle, the tubes contract, and scale cracks off and is flushed away through blowdown openings.

Other important features include:

HEATING ELEMENT SITUATED IN LOWER HALF OF SHELL, provides maximum disengaging area.

SHELL SIZE GIVES AMPLE SPACE under heating element for scale removal.

SMALL SEPARATE REMOVABLE CHANNEL AND COVER eases job of maintenance men.

TWO OR MORE BLOWDOWN CONNECTIONS of large diameter for effective flushing.

UNIFORM COMPRESSION BOLTING assures tight joints but permits quick convenient access to key points for inspection and maintenance.

For more details about ALCO Flex-Tube Evaporators or your other power plant equipment needs, mail the coupon or call the nearest ALCO sales engineer at Beaumont, Chicago, Dunkirk, Houston, Kansas City, Los Angeles, New York or Tulsa.

ALCO

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Gentlemen:

Please send me the ALCO Products Catalog AL-3-T. We are interested in ..... equipment.

Name _____ Position _____

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