

Davis Engineering Corporation

HEAT TRANSFER SPECIALISTS SINCE 1915

Branch Office:
90 West Street
New York City

Paracoil

General Office and Factory:
Elizabeth, N. J.

PRODUCTS—Davis Automatically Fired Boilers, Paracoil Storage Water Heaters, Instantaneous Water Heaters, Fuel Oil Heaters, Oil and Water Coolers, Distillers, Feed Water Heaters, Feed Water Filters and Grease Extractors, Steam Traps, Evaporators, Converters, Preheaters, Hot Water Generators, Condensers, Heat Exchangers

Years of trouble-free service without excessive maintenance charges have been the aim in the design of Paracoil apparatus. Paracoil Heat Exchange Products are preferred by many leading industrial, naval and building engineers. Many large ships and famous buildings have Paracoil heat transfer equipment. Special heat transfer problems invited. Write for bulletin on products in which you are interested.



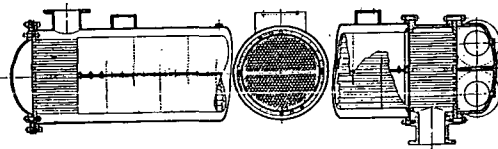
PARACOIL STORAGE WATER HEATER

For heating and storing hot water for apartment houses, office buildings, hospitals, laundries, etc. Operates with boiler water, exhaust or live steam as heating medium. Steel plate storage water shell with removable seamless drawn copper heating coils. Maximum efficiency of heat transfer. Any pressures specified. Capacity 40 to 25,000 gal. per hour. Capacity tables, calculating data, etc. on request. Write for catalog.



TUBULAR HEAT EXCHANGERS

For cooling lubricating oil or water and similar heat exchange uses. Removable or non-removable tube bundle as required. Transverse or Longitudinal Baffling as required. Floating tube sheet and head construction or shell expansion joint compensates for expansion and contraction strains. Built in single and multi pass types. Small space requirements. Write for information.



Section of Paracoil Tubular Heat Exchanger



PARACOIL INSTANTANEOUS U-TUBE TYPE WATER HEATER

Ideal for apartment houses, hotels, etc. Connected below water line of boiler, heats water supply when fires are banked. Cast-iron or steel shell, heating elements of seamless drawn copper.

Capacities 300 gal. and up (below water line installation) or 20 gal. and up (live steam installation).

Catalog on request.

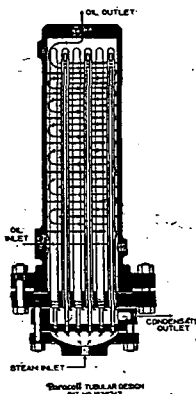
PARACOIL FUEL OIL HEATER, TUBULAR AND COIL TYPES

Rand System of Fuel Oil Preheating in Storage Tanks

Efficient and compact, removable heating element, freedom from expansion and contraction strains. Designs permitting easy cleaning.

Turbulent flow of oil assures high heat transfer. Unusually low pressure drop or friction loss. Variable baffle spacing gives variable velocity in proportion to change in viscosity. Horizontal or vertical installation.

Write for catalog.



The Bristol Company

Pioneers in Process Control Since 1889

Waterbury, Connecticut

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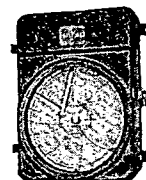
THE BRISTOL CO. OF CANADA, LTD., 64 Princess Street, TORONTO, ONT.

BRISTOL'S INSTRUMENT CO., LTD., Pomeroy Street, New Cross, LONDON, S. E. 14

BRISTOL'S

REG. U. S. PAT. OFFICE

Recording Pressure Gages



Recording Pressure Gage Model 40M

For securing continuous day and night records of pressure or vacuum for steam, air, gas and liquids. Furnished with charts reading in pounds, ounces, feet, inches, metric or any other desired units for ranges from full vacuum to 12,000 lb per sq. in.

Recording Indicating Thermometers

For all commercial ranges from 60 F below to 1000 F above zero.

Electric Indicating Thermometer indicates temperature at any number of distant points.

Metameter for Telemetering

Consisting of (1) a recording receiver in your office or other central place, (2) a transmitter at the far point where the measurement is made, and (3) a simple circuit of two small gage wires (or any existing telephone line) for carrying the electric impulses automatically sent out by the transmitter, the Metameter tells accurately and instantly how pressure, temperature, or flow is fluctuating at any point a hundred feet or several thousand miles away.

No interference with or from power, light or telephone lines. Easy to read 12 in. diameter chart, with wide open scale. D.C. or A.C.; 25 or 60 cycles; self-checking.



Metameter Transmitter, Model M35T

Automatic Temperature Control

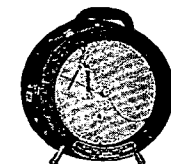
A complete line of Automatic Control Instruments is available for temperatures up to 3000 F. These are suitable for application to steam, oil, gas and electric heated equipment. Both electric and air operated models are furnished.



Free Vane Temperature Recorder Controller, Model 5240M

Direct Reading Relative Humidity Recorder

Chart record shows at a glance the trend of humidity condition. Novel vapor-sensitive hygroscopic element. Special aging process assures sustained accuracy. Eliminates calculation, and use of humidity tables. No water required. No fan used. Accurate below freezing temperature. Light portable corrosion-resisting case.



Thermo-Humidigraph, Model 4069

Flow Meter for Steam, Liquids, Gas

Employs orifice and mercury manometer system of measurement. Meter body is of forged steel, with stainless steel parts inside the mercury chambers. All connections are welded or mechanical. The stuffing box is of hardened stainless steel. Grease-packed and leak-tight.

For working pressures up to 1000 lb. Special bodies available up to 3000 lb.

Industrial Stem Thermometers

With plain or red background. Fixed thread, union connection or socket design. Straight form, or rear oblique, right side and left side angle forms.

Wet- and Dry-Bulb Psychrometer

Accurate and dependable instrument by which relative humidity, or atmospheric moisture may be determined. Available in self-contained and distance types.