Davis Engineering Corporation

HEAT TRANSFER SPECIALISTS SINCE 1915

90 West Street
New York City

Paracoil

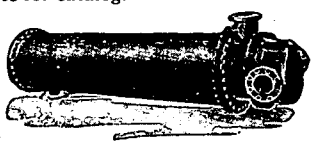
Factory:
Elizabeth, N. J.

PRODUCTS—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.

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.

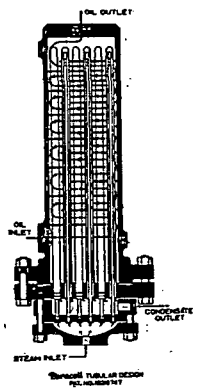
PARACOIL FUEL OIL HEATER, TUBULAR AND COIL TYPES

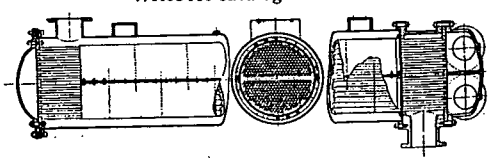
Rand System of Fuel Oil Preheating in Storage Tanks

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.





Section of Paracoil Tubular Heat Exchanger

The Bristol Company

Waterbury, Conn.

Indicating, Recording and Control Instruments Since 1889

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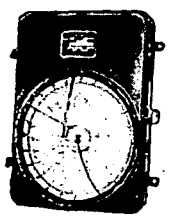
Direct Reading Relative Humidity Recorders

Model 4069

Bristol's Humidigraph, Model 4044, reads percentage of relative humidity directly. It gives a permanent chart record for future reference, and shows at a glance the trend of humidity condition. Simple construction. Novel vapor-sensitive hygroscopic element. Special aging process assures sustained accuracy. Eliminates calculation and use of humidity tables. Eliminates errors from personal element. No water required. No fan used. Accurate below freezing temperature. Light portable case of corrosion-resisting materials. Model 4069 is a combination Portable Humidigraph and Temperature Recorder, furnished with two pens for recording both relative humidity and temperature on same chart.

Recording Thermometers



Model 240M

Class I Thermometers are either liquid-filled with connecting tube and bulb, or bimetallic self-contained. They are for ranges from −40 F to 150 F. Class II Thermometers are of the vapor tension type, and are used for ranges from 90 F to 650 F. Class III are gas-filled, for ranges from −60 F to 1000 F.

All three classes are furnished in a moisture-proof, fume-proof, dust-proof rectangular case. One or more pen arms, upright or inverted. 12 in. or 8 in. chart, obtainable in over 800 ranges and graduated for one revolution in 24 hours or 7 days. Electric motor or spring wound clock. For wall or switchboard mounting, or portable.

Metameter Recording Telemetering System

Bristol's Metameter Transmitter, Model M 36T

When temperatures, pressures or levels rise or fall at any place a few feet or a thousand or more miles from headquarters, Bristol's Metameter records it instantly. A 12-inch chart keeps a continuous record of every fluctuation at the distant point.

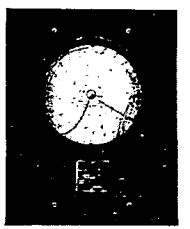
Bristol's Metameter controls process conditions or operations no matter how distantly conducted. It consists of a transmitter at the location where the temperature or pressure is being measured, an electrical circuit for conveying the currents automatically sent out by this transmitter, and a recording instrument at headquarters for mechanically translating the currents received into the continuous charted record.

The durations and not the intensities of the transmitter current impulses are proportional to the values measured. Only a simple two wire circuit is needed. Where available any existing telephone line may be employed without danger of interference with or from conversation carried, inductance or line capacity.

Features are the use of any kind and frequency of line current, small power consumption, synchronous power sources unnecessary, Bristol's standard measuring elements and applicability to remote control.

Long Distance Electrical Transmitting and Recording System for Telemetering Steam Pressure

Bristol's Long Distance Electric Transmitting System operates on the induction balance principle. Widely used by district steam heating companies, public utilities, etc., it provides centralized control of steam pressure at distant points throughout the distribution system.



Long Distance Receiving Recorder, Model 340 MFR