

Taylor Instrument Companies

Rochester 1, N. Y., U. S. A.

IN CANADA—TAYLOR INSTRUMENT COMPANIES OF CANADA, LTD., TORONTO
 NEW YORK BUFFALO CLEVELAND HOUSTON BALTIMORE
 CHICAGO LOS ANGELES ST. LOUIS CINCINNATI ATLANTA
 BOSTON PITTSBURGH SAN FRANCISCO TULSA MINNEAPOLIS
 PHILADELPHIA
 Manufacturing Distributors in Great Britain,
 Short & Mason, Ltd. London WILMINGTON SCHENECTADY

Taylor Instruments for Indicating, Recording and Controlling
 Temperature, Pressure, Humidity, Flow and Liquid Level

Taylor Industrial Thermometers
 —with new "BINOC" Tubing—
 Includes many styles and scale ranges with bulbs for every application. These thermometers contain a new and radical development of tremendous importance—"BINOC" Tubing. This newly designed and optically correct glass tubing assures an ease of reading that has been generally lacking in industrial thermometers.

BINOC Tubing
 more than doubles the angle of vision within which readings can be made. Because of the patented triple-lens construction its broad mercury column can be read easily and accurately with both eyes. Bore reflection is absent. Taylor Birm's Anemometer—For measuring air velocities with fan revolutions indicated on dial. Various models for a wide range of air speeds and registration limits.

The Taylor "Fulscope" Recording Controller—An air-operated controller that gives practically any character of process control regardless of time lag in apparatus.

Available for controlling temperature, pressure, humidity, rate of flow, liquid level. Where extreme load changes or badly balanced operating conditions exist, precision control can be maintained by the automatic reset feature. For applications where a record is not needed, Taylor supplies an Indicating "Fulscope" Controller.

Taylor Recording Hygrometer
 —Records both wet- and dry-bulb temperatures on the same chart in different colored inks, making comparison very easy.

Type shown has motor-driven fan for conditioned rooms or passages where circulation is poor. Furnished without fan for installations where circulation across bulb is good.

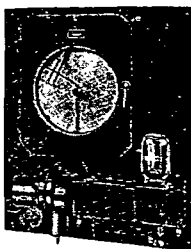


Taylor 10BG Hygrometers
 —For Air-conditioning supply and return ducts, dryers, and other closed compartments where temperature and humidity readings are desired.

Combines the accuracy of an etched-stem thermometer and ruggedness of an industrial thermometer. Easily installed. Available with bottle or constant automatic water supply.

Taylor Sling Psychrometer
 Two accurate etched-stem thermometers mounted on die-cast frame, with the bulb of one covered with a wick to be moistened. Whirling bulbs subject this hygrometer to complete air contact to produce extreme accuracy of temperature and humidity measurement.

Taylor also offers a complete line of the famous Taylor Recording and Dial Thermometers; Ratio, Pneumatic Set, Self-Acting and Type "P" Controllers; Indicating Hygrometers and many types of Humidiguides.



Aldrich Company

121 E. Williams St., Wyoming, Illinois

Boiler-Burner Units, Domestic and Commercial Oil Burners

Aldrich Boiler-Burner Units—available in a range of 7 sizes for Hot Water Heating, Steam Heating, and Hot Water Supply—are designed for home, apartment, garage, club, restaurant, hotel, and factory installations. Gages, covers, and trim are furnished to suit model and type of unit ordered. Heavy-duty, double-spiral hot water coils are factory-installed and tested in SC and WC models. Matched Aldrich Oil Burner furnished with each unit. Standard equipment includes full set of basic automatic controls. Series BG Boilers are gas-fired with AGA-approved burners for first five sizes and have ratings identical to corresponding oil-fired boilers.

BOILER-BURNER UNITS

Sizes—Specifications—Dimensions

Size of Boiler	Bantam	118	160	225	315	514	808
Rating Sq. Ft. Hot Water EDR	660	750	1000	1500	2100	3300	5000
Rating Sq. Ft. Hot Water Standing Radiation	440	500	650	1000	1400	2200	3333
Rating Sq. Ft. Steam EDR	425	500	630	935	1275	2025	3000
Rating Sq. Ft. Steam Standing Radiation	285	333	420	620	850	1350	2000
Rating BTU Per Hr. (Max.)	100,000	118,000	160,000	225,000	315,000	514,000	808,000
Water Heater Delivery GPH @ 100° Rise	93	125	190	280	450	610	850
Storage Capacity Gallons	20	28	38.5	72	99	120	170
Firing Rate—GPH Maximum	1.00	1.25	1.65	2.75	3.65	5.7	9.00
Firing Rate—GPH Minimum	.65	.75	1.25	1.75	2.4	3.7	6.00
Firing Rate—GPH Best	.75	1.00	1.35	2.00	2.5	4.5	7.5
Model Burner Furnished	CX1	SAX1	SAX2	SAX3	SAX3	BX	BX
Sq. Ft. of Heating Surface	17	21	27	44	67	93	136
Dia. Main Shell (Inside)	16 1/4"	19"	21"	24 1/4"	28"	32"	38"
Height of Main Shell	42 1/4"	46 1/4"	50 1/4"	58 1/4"	66 1/4"	81 1/4"	101 1/4"
Dia. of Fire Box (Inside)	12"	14 1/4"	16"	19"	22 1/4"	27"	32 1/4"
Height of Fire Box	21"	24"	26"	28"	30"	34"	40"
Number of Tubes	16	20	30	42	60	84	120
Length of Tubes	15 1/2"	15 1/2"	19 1/4"	23 3/4"	30 3/4"	29 3/4"	31 1/4"
Output Hot Water	3	1.75	2.00	2.66	5.25	6.50	7.25
Coil @ 100° Rise	3	2.00	2.75	3.67	6.75	8.00	10.00
Shipping Weight Lbs.—Boiler Only	475	775	940	1330	1720	1975	2350
Shipping Weight Lbs.—Burner Only	75	85	85	85	85	140	140
Shipping Weight Lbs.—Total	550	860	1025	1415	1805	2115	2490

MODEL DESIGNATIONS

	Steam Heating	Hot Water Heating	Hot Water Supply
Without Coil	S	W	HSG*
With Coil	SC	WC	—

* Galvanized, with dress jacket.

ALDRICH OIL BURNERS

Capacities from 0.75 gph to 19 gph
 Models SAX-BX-JU-CX

Aldrich Oil Burners are made in 6 sizes and 4 models for domestic and commercial warm air, steam, or hot water systems, and are UL-approved. All-steel model SAX (illustrated) has interchangeable draft tube components to permit 3 firing ranges—0.75 to 1.35 gph, 1.35 to 2 gph, and 2 to 4.5 gph. Model CX is rated 0.75 to 2 gph. Model BX is rated from 4 to 8.5 gph. Capacity of Model JU is 7 to 19 gph.

