

White-Rodgers Electric Company

1209 Cass Avenue, St. Louis 6, Mo.

AUTOMATIC CONTROLS

for

HEATING • AIR-CONDITIONING • REFRIGERATION



White-Rodgers controls with Hydraulic-Action have many features that assure complete accuracy and dependability in all applications—

- Maximum Sensitivity.
- Positive Settings.
- Full Range Accuracy.
- Consistent Differential.
- No Temperature Drift.
- Easily Adjusted.
- Extra Sturdy Switch.
- High Electrical Ratings.
- Versatility.
- Protected Switch.
- Not affected by Ambient Temperature or Atmospheric pressure.

THERMOSTATS

Series 120 and 130—Light-duty, low voltage thermostats smartly designed in Ivory and Chrome.

Series 150—Heavy-duty, line voltage. Hydraulic-Action, exceptionally rugged switch mechanism provides long, dependable service.

Series 200—Space Thermostats for heavy-duty, line voltage applications. Available in both self-contained and remote-bulb types.

WARM AIR, STEAM AND HOT WATER CONTROLS
Types for fan or circulator control, and for limit service.

Series 1100—Hydraulic-Action Hot-water controls in strap-on, vertical or angle immersion wells; single or dual types.

Series 400-500—Hydraulic-Action warm air fan and limit controls, single or dual types.

Series 1200—Steam and vapor pressure controls.

PRIMARY CONTROLS

Series 600—Oil Burner Primary controls featuring a new, extremely sensitive element. Available in one and two-piece types for continuous or intermittent ignition.

Series 2500—Solenoid Gas Valves for installations requiring small overall dimensions.

Series 2600—Diaphragm Gas Valves. Light weight, smooth operation, high capacity.

Series 2530—Combination Solenoid Gas Valve and Liquid Filled Pilot provides simplicity of installation.

Series 3000—Gas Safety Pilots. Provide exceptionally dependable performance. Also available with push button igniter.

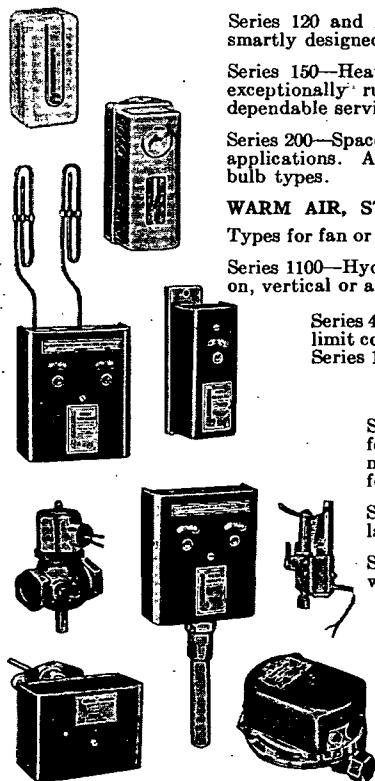
Series 700—Stoker Timers, available for low voltage or line voltage.

AIR-CONDITIONING AND REFRIGERATION CONTROLS

White-Rodgers offers a complete line of Thermostats, Pressure and Temperature controls available in all needed ranges and types.

WRITE FOR CATALOGS GIVING COMPLETE INFORMATION

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Aldrich Company

121 E. Williams St., Wyoming, Illinois

Boiler-Burner Units, Domestic and Commercial Oil Burners



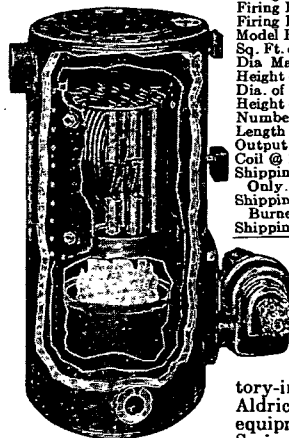
BOILER-BURNER UNITS

Sizes—Specifications—Dimensions

Size of Boiler	118	160	225	315	514	808
Rating Sq. Ft. Hot Water EDR	750	1000	1500	2100	3300	5000
Rating Sq. Ft. Hot Water Standing Radiation	500	650	1000	1400	2200	3333
Rating Sq. Ft. Steam EDR	500	630	935	1275	2025	3000
Rating Sq. Ft. Steam Standing Radiation	333	420	620	850	1350	2000
Rating BTU Per Hr. (Max.)	118,000	160,000	225,000	315,000	514,000	808,000
Water Heater Delivery GPH @ 100° Rise	125	190	280	450	610	850
Storage Capacity Gallons	28	38.5	72	99	120	170
Firing Rate—GPH Maximum	1.25	1.65	2.75	3.65	5.7	9.00
Firing Rate—GPH Minimum	.75	1.25	1.75	2.4	3.7	6.00
Firing Rate—GPH Best	1.00	1.35	2.00	2.5	4.5	7.5
Model Burner Furnished	SAX1	SAX2	SAX3	SAX3	BX	BX
Sq. Ft. of Heating Surface	21	27	44	67	93	136
Dia. Main Shell (Inside)	19"	21"	24 1/4"	28"	32"	38"
Height of Main Shell	46 1/4"	50 1/4"	58 1/4"	66 1/4"	80 1/4"	100"
Dia. of Fire Box (Inside)	14 1/2"	16 1/2"	19"	22 1/4"	27"	32 1/4"
Height of Fire Box	24"	24"	28"	30"	36"	44"
Number of Tubes	16	20	30	42	60	94
Length of Tubes	15 1/4"	19 1/4"	23 1/4"	30 1/4"	39 1/4"	51 1/4"
Output Hot Water	1.75	2.00	2.66	5.25	6.50	7.25
Coil @ 100° Rise	2.00	2.75	3.67	6.75	8.00	10.00
Shipping Weight Lbs.—Boiler Only	775	940	1330	1720	1975	2350
Shipping Weight Lbs.—Total	85	85	85	85	140	140
Shipping Weight Lbs.—Total	860	1025	1415	1805	2115	2490

Universal tapping on all models provides openings for water gage, side-arm heater (except on boilers ordered with coils), high limit controls, pressure gage and pop valve, two risers, and two returns.

Cold drawn seamless steel fire tubes, which are submerged their full length below water line, are readily accessible for inspection and cleaning.



Built-in double concentric spiral hot water coils (in Models SC and WC) provide adequate supply of hot water without external storage tank.

Rock wool insulation 2 in. thick provides high insulating value and minimizes heat loss through radiation.

Welded steel fire box is lined with cast refractory having high resistance to deterioration. Large burner-mounting plate provides access to fire box for replacement of combustion chamber.

Matched Aldrich Oil Burner provides efficient heat source. Standard automatic control system furnished as ordered to suit installation.

Aldrich Series B Boiler-Burner Units—available in a range of 6 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 and have ratings identical to corresponding oil-fired boilers.

MODEL DESIGNATIONS—SERIES B AND BG

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

* Galvanized, with dress jacket. All models, except HSG, have universal tapping.

ALDRICH OIL BURNERS
Capacities from 0.75 gph to 19 gph
Models SAX-BX-JU

Aldrich Oil Burners are made in 3 sizes and 5 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. Aldrich-built motors and transformers are used. Model BX is rated from 4 to 8.5 gph. Capacity of Model JU is 7 to 19 gph.



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