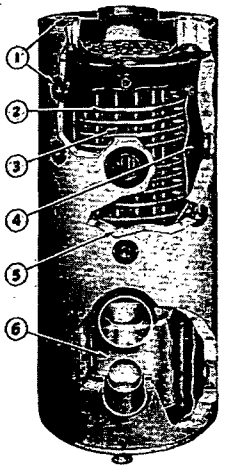
Aldrich Company

121 E. Williams St., **Wyoming, Illinois**

Boiler-Burners, Domestic and Commercial Oil Burners

BOILER-BURNER UNITS
Sizes—Specifications—Dimensions

Size of Boiler-Burner	100	150	250	400	642	700
Rating—Sq Ft Hot Water EDR	750	1000	1500	2100	3300	5000
Rating—Sq Ft Hot Water Standing	500	650	1000	1400	2200	3333
Rating—Sq Ft Steam EDR	500	630	935	1275	2025	3000
Rating—Sq Ft Steam Standing	333	420	620	850	1350	2000
Rating—BTU per hour (Max.)	118000	160000	224800	315000	514000	808500
Water Heater Delivery—GPH @ 100° Rise	125	190	280	475	610	850
Storage Capacity—gallons	26.5	38	53.5	82	116	140
Firing Rate GPH—Maximum	1.3	1.7	2.7	3.6	5.7	9.0
Firing Rate GPH—Minimum	.9	1.2	1.7	2.4	3.7	6.0
Firing Rate GPH—Best	1.2	1.35	2.0	2.5	4.5	7.5
Model Aldrich Burner furnished	AX-1	AX-2	AX-3	AX-3	BX	BX
Sq Ft of Heating Surfaces	20.6	26.6	42.5	69	96	145
Outside Diameter	20″	23″	26″	29½″	34½″	41″
Height from Floor	50″	54″	62″	70″	70″	72″
Smoke Pipe Diameter	7″	8″	8″	9″	10″	12″
Riser and Return Size—NPT (2 ea.)	2″	2″	2½″	2½″	3″	3″
Shipping Weight lbs—Boiler only	575	770	1080	1500	2400	2500
Shipping Weight lbs—Burner only	85	85	85	85	140	140
Shipping Weight lbs—Total	660	855	1165	1585	2540	2640



1. *Universal tapping on all models provides openings for necessary gages, valves, controls, 2 risers, 2 returns.*
2. *Built-in tankless heater is copper tube coil in WC or SC models. It provides adequate supply of hot water; no external storage tank or indirect heater is needed.*
3. *Correctly proportioned, seamless, steel fire tubes are easily cleaned; spirals inserted within tubes increase heating efficiency.*
4. *Main shell is heavy steel, welded to top and bottom plates. Entire assembly is tested under 160 lbs hydrostatic pressure.*
5. *A 2 in. thick blanket of rock wool insulation, between main shell and outer jacket, minimizes heat loss and reduces running time of burner.*
6. *Welded steel fire box is surrounded by water leg for high efficiency. Cast refractory lining has high resistance to chipping or deterioration.*

Aldrich 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. Coils are factory-installed and tested in WC and SC models. Matched Aldrich Oil Burner furnished with each unit. Standard equipment includes full set of basic automatic controls.

Models Available

W—Water Boiler (universal tapping)
WC—Water Boiler (with coil)
S—Steam Boiler (universal tapping)
SC—Steam Boiler (with coil)
HSG—Hot Water Heater (galvanized, with dress jacket)
Models W, S, and HSG available in all sizes.
Models WC and SC come in 100, 150, 250, and 400 sizes only.



ALDRICH OIL BURNERS
Capacities from .75 gph to 19 gph
Models AX-BX-JU

Aldrich Oil Burners are designed for domestic or commercial installations on warm air, steam, or hot water systems. Capacities range from .75 to 19 gph in 3 sizes and 5 models. Model AX (illustrated) has interchangeable draft tube assemblies and air cones, thereby permitting quick change through 3 firing ranges. Capacities: AX-1, 0.75 to 1.35 gph; AX-2, 1.35 to 2 gph; AX-3, 2 to 5 gph. Model BX, for large homes or apartments, comes with two-stage pump and firing range of 4 to 9 gph. Model JU, a heavy-duty burner for commercial and industrial use, has a capacity of from 5 to 19 gph. It is equipped with a ¾ hp motor, duplex nozzles and ignition, a two-stage pump. All models feature a well-designed fan housing, steel draft tubes, large inspection openings. Aldrich Oil Burners and Boilers are U. L. approved.

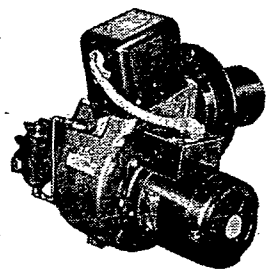
Automatic Burner Corp.

1823 CARROLL AVE.

Chicago 12, Ill.

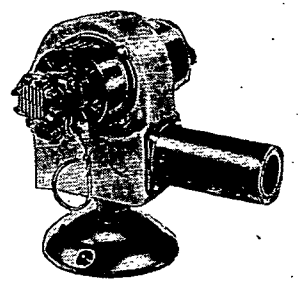
THE TRADE MARK OF QUALITY OIL BURNERS FOR 26 YEARS

PRESSURE TYPE OIL BURNER
Model 51



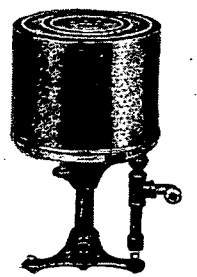
Here is the burner which meets every demand of the complete range of domestic heating needs. It combines beauty of design; excellence of engineering; precision production, to deliver guaranteed performance. The Model 51 mounts directly to the boiler by means of a flange, accurately machined for precise fit. Its ⅛th horse power motor insures trouble-free, amazingly quiet operation. It is attractively finished in the non-rusting, wear-resistant beauty of Hammerloid. Available in standard and odd cycles and voltages.

PRESSURE TYPE OIL BURNER
Model 52



The gun type oil burner has the famous ABC Oilairator mechanism that atomizes the fuel, mixes it with air, and delivers it with correct twist and velocity to insure complete combustion. The ABC nozzle combined with the proper choke and turbulator guarantees precise control and flexibility . . . guarantees a thoroughly satisfactory economical home heating unit. Capacity 0.6 to 6.0 gallons per hour.

RANGE BURNER



This ABC oil burner offers the advantages of all-steel construction, complete interchangeability of parts, and precision manufacture. Tight joints insure constant efficiency of the flame. Easy to clean . . . easy to operate . . . ideal for stoves, ranges, water heaters. Uses kerosene as a fuel.

Makers of . . .

Domestic Boiler and Furnace Units. Range Burners...Water Heaters...Special Products.