

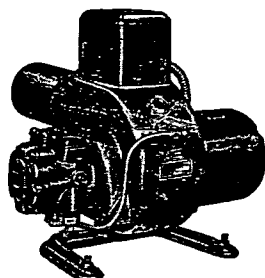
S. T. Johnson Co.

Builders of fine Oil
Burners...since 1903
Residential
Commercial
Industrial



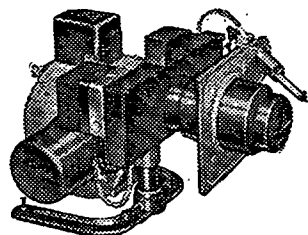
940 Arlington Ave.
Oakland 8, California

Church Road,
Bridgeport, Pennsylvania



BANKHEAT BURNER

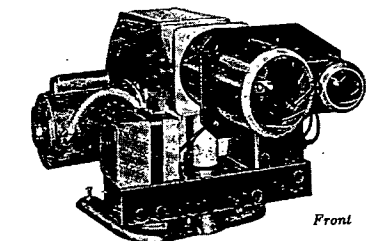
Pressure - atomizing fully - automatic. Built with top quality safety and operating controls. A time-tested burner notable for its economy, dependability and efficiency. Highly adaptable. Ideal for "conversions."



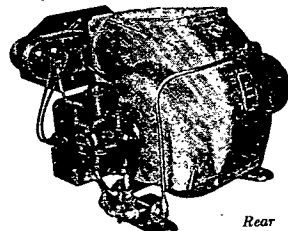
BANKHEAT OIL-AND-GAS BURNER

In areas where low-cost gas is available on a part time basis Bankheat Dual-Fuel Oil-and-Gas Burners offer the utmost possible economy and efficiency. They are equipped with fine electronic automatic controls.

SIZE	MAX FIRING RATE		MAX BOILER OUTPUT			
	Oil gph	Gas CFH 1000 Btu	Steam Sq Ft	Water Sq Ft	HP	
0	2 1/4	315	900	1450	6 1/2	
0A	3	420	1300	2100	9	
1A	5 1/4	770	2300	3650	16	
2	7 1/4	1050	3100	4950	22	
2A	10	1400	4150	6650	30	
3	15	2100	6200	9900	45	
3A	18	2520	7500	12000	54	



Forced Draft Bankheat Oil Burner with Diesel Ignition



Rear

FORCED DRAFT BANKHEAT BURNERS

Oil Only, Gas Only, and Combination Oil-Or-Gas

Fully automatic. Made in 5 sizes: 30, 40, 60, 80 and 100. Sizes indicate the boiler hp or equivalent output each size is rated in connection with applications involving firebox pressures up to 0.75 in. wc.

They deliver all the air required for combustion without assistance of an induced-draft fan or a tall chimney. They largely eliminate pulsation problems. As most of the assembly and wiring is done at the factory, installation is fast and easy.

According to Type and Size, each burner is equipped with Straight-Electric, Gas-Electric or Diesel-Electric ignition, with Electronic Controls to suit.

SIZE	MAX. FIRING RATE		MAX. BOILER OUTPUT			
	Oil gph	Gas CFH 1000 Btu	Steam Sq Ft	Water Sq Ft	HP	
BHF 30	9	1260	4200	6720	30	
BHF 40	12	1680	5600	8960	40	
BHF 60	18	2520	8400	13440	60	
BHF 80	24	3360	11200	17920	80	
BHF 100	30	4200	14000	22400	100	

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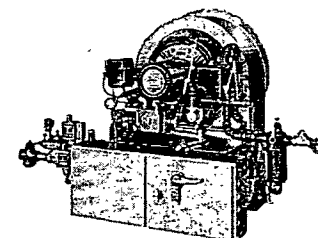


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FORCED DRAFT PACKAGE UNITS

Shown at right is a compact Forced Draft unit for Combination Oil or Gas firing. Forced Draft units may also be had for Oil-Only firing (Model 53 as described below) or Gas-Only firing. All are factory assembled, wired and tested, complete with all controls mounted in dust type cabinet, ready for inexpensive installation on any standard size and type of boiler. They deliver all the air required for efficient combustion without need for an induced-draft fan or a tall chimney.



MODEL 53 METERING PUMP BURNERS

Illustrated at right is Model 53 Oil Burner with conventional drive. These fully-automatic, heavy-duty Johnson Burners are built with a positive-displacement Metering Pump, a 3-Way Magnetic Oil Valve and a high efficiency Suction Pump. They automatically maintain a fixed Air-Fuel-Ratio regardless of variations in oil temperature and viscosity.

They start up readily and operate automatically even when the oil in tank and lines is cold and hard to pump. They are easy to set and control. Firing rate can be determined by reading the setting of the Metering Pump Quadrant.

They are available in 8 sizes ranging from 25 to 400 hp and from 3500 to 56,000 sq ft Steam Radiation, nominal ratings. Under good operating conditions, maximum firing rate may be total Metering Pump delivery or 125 per cent of nominal rating.

MODEL 53 WITH BELT DRIVE

Shown third from top is Model 53 Oil Burner with Belt Drive for use in installations using 50 cycle current, to maintain 60 cycle speed, and on installations requiring additional capacity. These burners are available in 9 sizes up to 500 hp.

MODEL 53 COMBINATION OIL-OR-GAS BURNERS

Shown at bottom right. Will produce worth while fuel economies by offering a choice of fuels. Available with Automatic or Flip-Switch Changeover. 8 sizes, 25 to 400 hp nominal ratings.

