

PETRO
REG. U.S. PAT. OFF.

**Petroleum Heat & Power
Company Stamford, Conn.**

DOMESTIC OIL HEATING EQUIPMENT

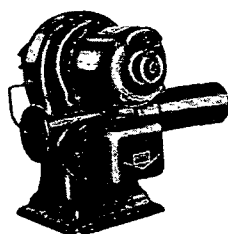
PRESSURE ATOMIZING DOMESTIC BURNER

Models P-9-70A, P-9-70

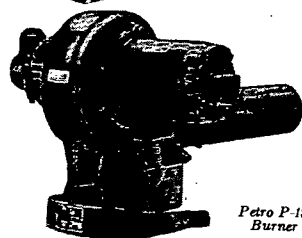
Applicable to steam, hot water, or warm air systems. Burn No. 2 fuel oil (or lighter), heaviest and lowest priced fuel oil approved by Underwriters' for domestic use. Constant electric ignition for reliable, safe operation. Order or inquiry should specify the type, size and rating of boiler or furnace to be fired, together with the total load.

Models P 12, P 13-A, P 13

Applicable to heating large residences, stores, garages and other commercial buildings. Approved for No. 2 (or lighter) fuel oil.



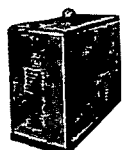
P-9-70
Burner



Petro P-13
Burner

Burner Model Number	Nozzle Size Gal per Hr.	Total Capacity	
		Steam Sq. Ft.	Hot Water Sq. Ft.
P-9-70-A	1.00 to 1.50	350 to 525	560 to 840
P-9-70	1.65 to 2.50	575 to 875	920 to 1400
P-21	2.00 to 4.50	700 to 1575	1120 to 2520
P-22	3.00 to 6.00	1050 to 2100	1680 to 3360
P-12	6.00 to 10.00	2100 to 3500	3360 to 5600
P-13-A	9.00 to 12.00	3150 to 4200	5040 to 6720
P-13	12.00 to 18.00	4200 to 6300	6720 to 10080

PETRO HI-THERM OIL HEATING UNITS



Petro Hi-Therm
Boiler Unit Models
HT-S and W

Petro Hi-Therm
Warm Air Con-
ditioner—Model
HT-A3



The Petro Hi-Therm Boiler normally delivers steam in as little as 43 seconds. With or without 3 gpm domestic hot water coil. Model HT-S3 rated 375 sq ft, and HT-S4, 450 sq ft, steam. Model HT-W3, 600 sq ft, and HT-W4, 720 sq ft, water.

The Petro Model HT-A3 Hi-Therm Warm Air Conditioner is a compact, electronically controlled unit. With or without 3 gpm domestic hot water coil. Rated 110,000 Btu at bonnet, 90,000 Btu at register. Capacity 1250 cfm.

OTHER PETRO HEATERS



Front view of Petro
Standard Automatic
Boiler for Steam



Petro Series "A"
Winter Air
Conditioner



Petro Storage
Type Hot
Water Heater

Standard Model Petro Automatic Boilers, in two sizes, for steam and water, are steel boilers designed for small home field. Series "A" Winter Air Conditioner in three sizes from 75,000 to 115,000 Btu at register. Storage Type Water Heaters operate on No. 2 oil and heat 120 gph 100 F temperature rise.

Send for Catalog of Petro Domestic Oil Heating Equipment

1354

Petroleum Heat & Power Company

Main Office and Factory: Stamford, Conn.

"Since 1903" . . . Good Oil Burning Equipment . . . Fuel Oils

PETRO
REG. U.S. PAT. OFF.

**INDUSTRIAL AND
COMMERCIAL OIL
BURNING SYSTEMS**

**FOR UNHEATED
COMMERCIAL OILS:**

Model W-A—Automatic ignition and operation with synchronized control of oil and air.

Model W-SA—Semi-automatic, i.e.: automatic variation of firing rate with manual ignition; also available for manual variation and manual ignition.

FOR PREHEATED OILS: HEAVY NO. 5, Models W-A-E and W-SA-E; No. 6 (BUNKER "C"), Models W-AH, W-SAH.

Models W-A-E; W-AH—Automatic ignition and operation with synchronized control of oil and air, and automatic control of oil heaters.

Models W-SA-E; W-SAH—Semi-automatic with oil heaters, i.e.: automatic variation of firing rate with manual ignition; also available for manual variation and manual ignition.

CAPACITIES

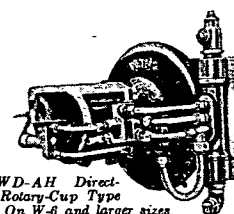
Model	Motor H.P.	Max. Gals. per Hour	Rated Cap. B.H.P.	Sq. Ft. E.D.R. Steam Rad.
W-2½	1	11	34.4	4,810
W-3	1	15	47.0	6,560
W-4	1	25	78.5	10,940
W-5	1	35	110.0	15,300
W-6	2	50	157.0	21,880
W-7	2	70	220.0	30,600
W-8	3	100	313.6	43,750
W-8½	3	120	376.0	52,500
W-9	3	145	454.7	63,250

These burners are available for all types of electrical current supply.

**PETRO'S THERMAL
VISCOSITY CONTROL**

A dependable and accurate control of viscosity—and hence delivered combustion efficiency—is through the heat applied to the oil. Petro's Thermal Viscosity System controls this heat-application at its source.

Send for catalog of Petro Commercial and Industrial Oil Burners

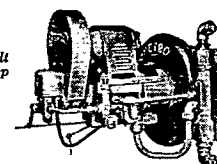


Model W-D-AH Direct-
Driven Rotary-Cup Type
Burner. On W-6 and larger sizes,
Modutrol Firing is standard. On
smaller sizes, it is supplied as an extra.

PETRO MODEL W BURNER is available in two types: (1) Direct-Driven, which includes electric motor, fan, pump, rotary cup atomizer in one self-contained assembly, together with air and oil controls. (2) Belt-Driven, containing the same assembly as above except that the integral motor is replaced by motor mounted outside burner housing and arranged for belt drive. Removable rotary cup and nozzle permit changing shape of flame to suit any boiler furnace requirements.

Interlocking air and oil control mechanism permits any minimum or maximum operation required within the burner's range of operation. Counter-flow Angular Air Vanes at nozzle increase air and oil turbulence and aid efficient combustion of heavy fuel oils.

Special oil adjustment valve meters oil to rotary cup, yet permits manual operation without disturbing permanent burner adjustment.



Model W-O-A Belt
Driven, Rotary Cup
Type Oil Burner.

NOTE: GAS-OIL COMBINATION BURNERS in three sizes should be in production at about the time this 1951 GUIDE is distributed. Complete data supplied on request.

1355