

PETRO

DOMESTIC OIL HEATING EQUIPMENT

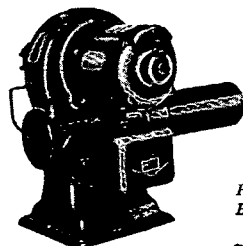
Petroleum Heat & Power Company . . . Stamford, Conn.

PRESSURE ATOMIZING DOMESTIC BURNERS—Applicable to steam, hot water, or warm air systems, for use with No. 2 or lighter fuel oils. Listed by Underwriters' Laboratories.

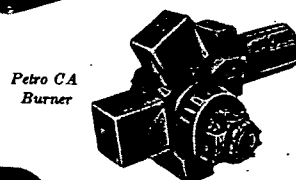
Models CA-1, CA-2. New type air distributor head for maximum combustion efficiency. Intermittent ignition with electronic or standard controls.

Models P-9-70A, P-9-70. Standard, reliable "gun" type burner with constant electric ignition. Choice of three package controls.

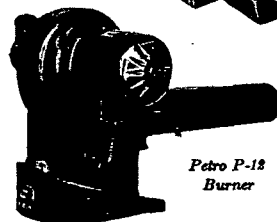
Models P-12-3, P-13-A3, P-13-3. For larger residences, stores, garages and commercial buildings. No. 2 or lighter oil.



P-9-70 Burner



Petro CA Burner



Petro P-12 Burner

Burner Model Number	Nozzle Size gal per hr	Total Capacity	
		Steam sq ft	Hot Water sq ft
CA-1	.75 to 2.00	300-800	480-1280
CA-2	2.00 to 4.00	800-1600	1280-2560
P-9-70-A	1.00 to 1.50	400-600	640-960
P-9-70	1.65 to 2.50	660-1000	1050-1600
P-21	2.00 to 4.50	800-1800	1280-2880
P-22	3.00 to 6.00	1200-2400	1920-3840
P-12-3	8.00 to 10.00	2400-4000	3840-6400
P-13-A3	9.00 to 12.00	3600-4800	5760-7680
P-13-3	12.00 to 18.00	4800-7200	7680-11520



Petro Boiler Unit Models HT-S and W



Petro Warm Air Conditioner—Model HT-A3



Front view of Petro Standard Automatic Boiler for Steam



Petro Series "A" Winter Air Conditioner



Petro Storage Type Hot Water Heater

PETRO MODEL HT OIL HEATING UNITS—The Petro Model HT 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 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 HEATING UNITS 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 Petro Domestic Catalog.

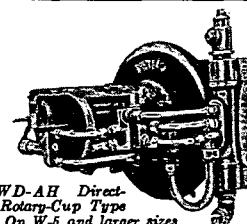
Petroleum Heat & Power Company

Main Office and Factory: Stamford, Conn.

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

PETRO

INDUSTRIAL AND COMMERCIAL OIL BURNING SYSTEMS



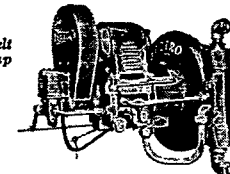
Model WD-AH Direct-Driven Rotary-Cup Type Burner. On W-5 and larger sizes, Modutrol Firing is standard. On smaller sizes, it is supplied as an extra.

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 WO-A Belt-Driven, Rotary Cup Type Oil Burner.



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.

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 at 70% Boiler Efficiency

Model	Motor H.P.	Max. Cal. per Hour	Rated Cap. B.H.P.	Sq. Ft. E.D.R. Steam Rad.
W-2½	¾	11	34.4	4,810
W-3	¾	15	47.0	6,560
W-4	¾	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 MODEL GW COMBINATION GAS AND OIL BURNER, direct or belt driven. Independent combustion of each fuel—60 seconds to change from one to the other. Maximum combustion efficiency from either fuel.

CAPACITIES

Model	BTU	Oil* GPM	Gas* Cu. Ft./Hr
GW-4	3,750,000	25	3,750
GW-5	5,200,000	35	5,200
GW-6	7,500,000	50	7,500
GW-7	10,500,000	70	10,500
GW-8	15,000,000	100	15,000

* Based on oil of 150,000 Btu/gal and gas of 1,000 Btu cu ft.

Send for catalog of Petro Commercial and Industrial Oil Burners