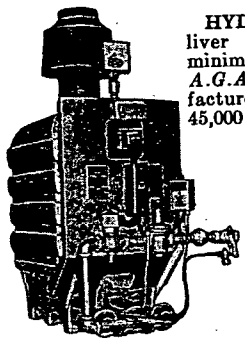
HYDROTHERM INC

Northvale, New Jersey

HYDROTHERM

The "Packaged" Automatic Gas Heating Plant. For residential, commercial and industrial hot water systems.

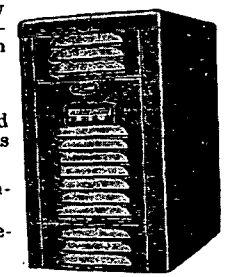


Model R150 without jacket 600 sq ft installed radiation.

HYDROTHERM is designed to deliver maximum hot-water heat with minimum fuel consumption. Fully *A.G.A.* approved for use on manufactured, natural and LP Gas . . . from 45,000 to 500,000 Btu.

Outstanding for:

- Baseboard, convector and radiant panel heating systems
- Individual apartment heat
- Natural companion for central cooling system
- Booster service for 180 degree sterilizing water
- Volume hot water heating



Model R150 with jacket 425 lbs, 16 in. x 31 in. x 27 in.

CONSTRUCTION: all *cast iron* Hydrotherm's unique absorption unit has deep ribbed horizontal sections, which are connected in zig-zag. This design affords maximum heat transfer surface for minimum water volume, resulting in greater efficiency and faster pick up. Hydrotherms are factory tested at 250 lb hydrostatic pressure and are *ASME* approved for 100 lb working pressure. Unit is fully wired and assembled for speedy installation. All controls including automatic gas control valve, Baso safety pilot, pressure regulator, aquastat and tridicator are enclosed in De Luxe jacket of Hammeroid finish.

CAPACITY RANGE OF HYDROTHERMS

	Model No.	SPACE HEATING *A.G.A.* RATINGS						VOLUME WATER HEATING GALLONS PER HOUR FOR TEMPERATURE RISE SHOWN									
		Natural, Mixed and Manufactured Gas			L.P. Gas (Propane and Butane)			Natural, Mixed and Manufactured Gas					L.P. Gas (Propane and Butane)				
		input Btu/ Hr	output Btu/ Hr	installed* radiation	input Btu/ Hr	output Btu/ Hr	installed* radiation	60°	80°	100°	120°	140°	60°	80°	100°	120°	140°
SINGLE UNITS	M-45	45,000	36,000	150	42,000	33,600	168	72	54	43	36	30	67	50	40	33	28
	M-72	72,000	57,600	288	72,000	57,600	288	115	86	69	57	49	115	85	69	57	49
	M-85	85,000	68,000	340	85,000	68,000	340	136	102	81	68	58	136	102	81	68	58
	R-100	100,000	80,000	400	100,000	80,000	400	160	120	96	80	68	160	120	96	80	68
	R-120	120,000	96,000	480	110,000	88,000	440	192	144	115	96	82	176	132	105	88	75
	R-150	15. 000	120,000	600	145,000	116,000	580	240	180	144	120	103	232	174	139	116	99
	R-170	170,000	136,000	680	—	—	—	272	204	163	136	116	—	—	—	—	—
	L-200	200,000	160,000	800	200,000	160,000	800	320	240	192	160	137	320	240	192	160	137
	L-250	250,000	200,000	1,000	225,000	180,000	900	400	300	240	200	173	360	270	216	180	154
DUAL UNITS	R-300	300,000	240,000	1,200	290,000	232,000	1,160	480	360	288	240	206	434	348	278	232	198
	R-340	340,000	272,000	1,360	—	—	—	544	408	326	272	232	—	—	—	—	—
	L-400	400,000	320,000	1,600	400,000	320,000	1,600	640	480	384	320	274	640	480	384	320	274
	L-500	500,000	400,000	2,000	450,000	360,000	1,800	800	600	480	400	346	720	540	432	360	308

* Indicates net load at 170 F water and includes pick-up and piping losses.

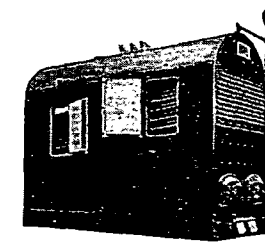
THE INTERNATIONAL BOILER WORKS CO.

500 Birch St., East Stroudsburg, Pa.

Sales Offices in Principal Cities

WATER TUBE BOILER DESIGN ASSURES. . .

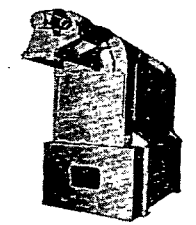
- QUICK STEAMING . . . due to rapid and directed water circulation.
- MORE HEAT ABSORPTION . . . due to extra long three-pass gas travel, *across* the entire bank of water tubes.
- EASY CLEANING . . . free access to heating surfaces makes cleaning easy.



Large Heating Boiler-Type C

INTERNATIONAL WATER TUBE BOILERS. . .

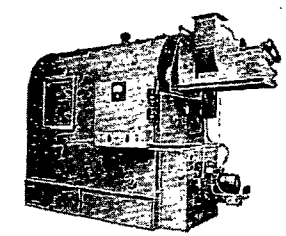
- Standard sizes: Heating Boilers 400–70,000 sq ft steam, Power Boilers 10–600 bhp.
- *Steel Boiler Institute* ratings.
- Heating Boilers 15 lbs steam-30 lbs water.
- All Boilers *ASME* standard
- For Oil, Gas, Stoker or hand fired Coal.



Induced Draft Units for Heat or Power

INTERNATIONAL "COMPAK" PACKAGE BOILERS . . .

- Completely assembled factory fire-tested water tube package boilers.
- For low pressure and high pressure requirements.
- Oil, gas, or combination oil-gas fired.

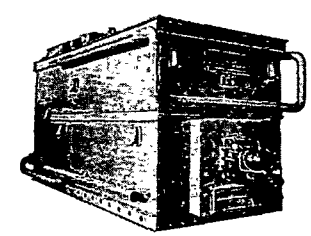


International "COMPAK" Package Boiler

INTERNATIONAL—LA MONT* FORCED RECIRCULATION BOILERS

Specifically designed for . . .

- High Temperature Water heat distribution systems.
- High Temperature process systems employing Aroclor, Dowtherm, Mobiltherm and other Thermal Liquids.



International-LaMont High Temperature Water Generator

Write for complete catalog.

* Licensed under LaMont patents.