

Alberger Heater Company

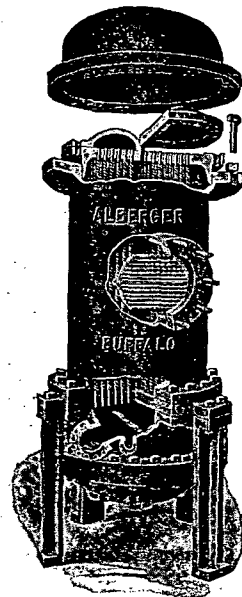
HOWARD IRON WORKS

218 Chicago St.

BUFFALO, N. Y.

REPRESENTATIVES IN PRINCIPAL CITIES

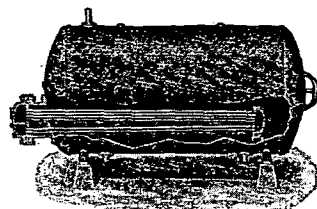
Heaters — Condensers — Coolers — Economizers — Expansion Joints



Instantaneous Water Heater
Furnished in Vertical or
Horizontal Type

Alberger-Buffalo Heaters are built in several types to meet a large range of standard and special water heating requirements. The standard instantaneous water tube type with floating heads is a highly efficient device embodying economy in space and maintenance cost. The storage water heater is used where the steam supply is intermittent or insufficient to take care of peak water demands. The swimming pool heater is especially designed for the purpose and is also extensively used with air washer equipment.

All of these heaters are built in either horizontal or vertical arrangement. Alberger-Buffalo equipment is widely used for many special requirements involving the heating or cooling of water and other liquids, and for the interchange of heat from one liquid to another.



Storage Type Heater



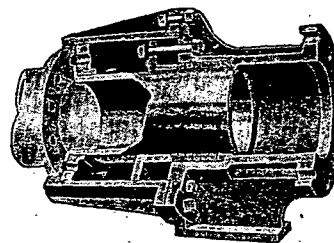
Swimming Pool Heater
Single Pass Furnished in
Vertical or Horizontal
Type

ARCHITECTS
ENGINEERS
CONTRACTORS

If you have not already done so, send immediately for a copy of the ALBERGER HEATER DATA BOOK which gives complete information regarding capacities and dimensions of our various types, as well as service and installation data. Also remember that our experience in designing and building special heaters and coolers is available to prospective clients.

The Howard Guided Expansion Joint is a most satisfactory means for taking care of expansion in pipe lines because it is designed with only one object in view—100% service. The construction is mechanically correct—deep stuffing box—bronze sliding sleeve—totally enclosed construction to eliminate accumulation of dirt—exterior adjustment of packing gland—ready accessibility when packing is renewed. It is the most economical joint to use because it stays on the job and leaves a satisfied customer.

Send for—Bulletin XJ-3 for full details.



Howard Expansion Joint

Davis Engineering Corp.

90 West Street, New York, N. Y.

Cable Address: "PARACOIL, NEW YORK"

Factory: ELIZABETH, N. J.

Manufacturers of Paracoil Steam Traps, Steam Specialties, Water Storage Heaters and other Heat Exchangers

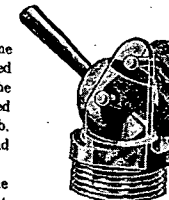
Paracoil Products

STEAM TRAPS, FEED WATER HEATERS, FEED WATER FILTERS AND GREASE EXTRACTORS, STORAGE WATER HEATERS, OIL HEATERS, EVAPORATORS, EXHAUST GAS-STEAM GENERATORS, OIL COOLERS, DISTILLERS.

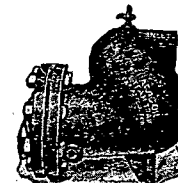
Paracoil Steam Trap

In this trap there is only one moving part, the solid recessed sphere which rotates over the valve seat. The trap is designed for all pressures, but 30 lb. steam pressure, 125 lb. and 200 lb., are carried in stock.

The oscillating action of the valve makes possible a constant flow of condensate and the



Paracoil Valve



Paracoil Steam Trap

gauging action of the recessed ball keeps foreign matter from lodging between the valve and its seat. Capacities up to 75,000 lb. per hour.

The Paracoil Trap is guaranteed free from repairs for two years, providing installation and operating instructions are followed. Write for Catalogue A-12.

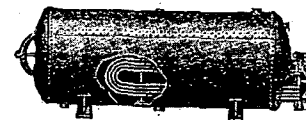
Paracoil Steam Trap

Trap In.	Capacity Sq. Ft. Radiation	Height In.	Length In.	Width In.	List Price	Wt. Lb.
1/2	800	8 1/2	8	8	\$15.00	24
3/4	1800	8 5/8	10 1/8	4 7/8	20.00	28
1-1/4	4800	12 1/2	12	6 1/8	35.00	50
1 1/2-2	8000	16 3/8	16	10 1/4	68.00	112
2 1/2	12,000	18	19	11 1/2	100.00	185
3	23,000	20	20 3/4	11 1/2	125.00	212

Larger size traps on application.

Paracoil Storage Water Heater

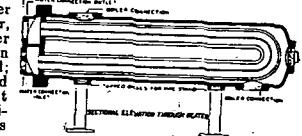
For heating and storing hot water for laundries, factories, hospitals, etc. The utilization of exhaust steam in this water heater effects a big fuel saving. Has steel plate shell for water and copper heating coils for steam. Pressures, 100 lb. standard and up. Sizes, 200 to 20,000 gallons per hour; heated to 180 deg. Fahr. Fully described in Bulletin 74.



Paracoil Storage Water Heater

Paracoil Instantaneous Water Heater, U Tube Tank Heater, Preheater and Condensation Cooler

Connected below water level of boiler, heats water supply when fire is banked. Unexcelled for indirect heating of private garages and conservatories.



Paracoil Instantaneous Water Heater

No.	Diameter In.	Length In.	Water Inlet and Outlet In.	Steam Inlet In.	Drain In.	Capacity Gal./Hr. 40-180° F. Steam Atmos.	Wt. Lb.
200	14 1/2	34	2	2	1	200	250
300	14 1/2	34	2	2	1	300	260
400	14 1/2	47	2	3	1 1/2	400	290
500	14 1/2	47	2	3	1 1/2	500	300
600	16 1/2	50	3	4	1 1/2	600	480
750	16 1/2	50	3	4	1 1/2	750	500
1000	16 1/2	62	3	4	1 1/2	1000	560
1250	16 1/2	62	3	4	1 1/2	1250	580
1500	19 1/2	70	3	5	2	1500	962
1750	19 1/2	75	3 1/2	5	2	1750	1010
2000	19 1/2	80	3 1/2	6	2	2000	1083
2500	21 1/2	81	3 1/2	6	2	2500	1252
3000	21 1/2	87	4	7	2 1/2	3000	1301
4000	21 1/2	99	4	8	2 1/2	4000	1400
5000	21 1/2	110	4	10	2 1/2	5000	1481
7500	26	95	5	12	3	7500	1915
10000	26	108	5	14	3	10,000	2126
12500	26	120	5	14	3	12,500	2241

Nos. 200 to 1250 cast iron shell, and Nos. 1500 to 12,500 steel shell.

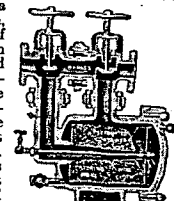
Paracoil U Tube Type Tank Heater

Size No.	Capacity, Gals.		Hot Water Radiation Sq. Ft.	Diam. In.	Length In.	Wt. Lb.
	Below Water Level	With Live Steam				
1	350	650	260	7 1/2	27 1/2	90
2	700	1300	520	11 3/4	40 1/4	220
3	1050	1900	780	14 1/2	47	375
4	1350	2500	1000	16 1/2	50	500

Larger sizes on application. Capacity ratings, 100 deg. temperature rise in 3 hours (40 to 140 deg.). Capacity rating with live steam based on 1/2 lb. steam pressure.

Paracoil Feed Water Filter and Grease Extractor

Utilizes the affinity of cocoa fiber for particles of oil, grease, scum and dirt for the removal of these floating impurities from exhaust steam condensation and raw make-up water. The filtering area is over twenty times the size of inlet and outlet connections. Filter body may be by-passed and removed without cutting off the boiler supply. A steam jet and blow-off permits steaming out and further efficient use of the fiber before removal for thorough cleaning. Sizes, 2 to 6 in. Fully described in Bulletin A-4.



Paracoil Feed Water Filter and Grease Extractor