

Foster Wheeler Corporation

165 Broadway, New York, N. Y.

Works: CARTERET, N. J., CLEVELAND, OHIO, DANVILLE, N. Y.

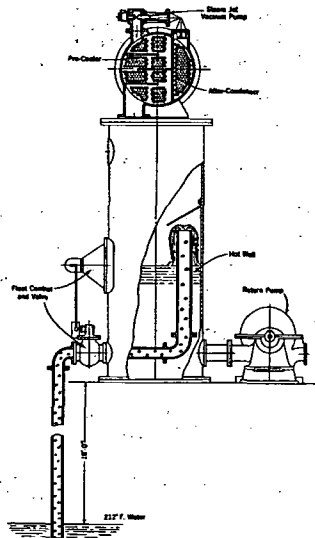
Branch Offices in Principal Cities

PRODUCTS—

Vacuum hot water return pumps, cooling towers, vacuum refrigeration systems, hot water heaters, expansion joints, complete steam generating equipment for power plants.

Vacuum Hot Water Return Pumps

Foster Wheeler vacuum return pumping equipment has been developed for use in large heating systems served from a central plant. It provides for the positive return of the condensate to the central station. The presence of water vapor flashed from the hot water, either in a pocket in a return line, or from a return tank located below the level of the pump, does not affect the operation of the pump.



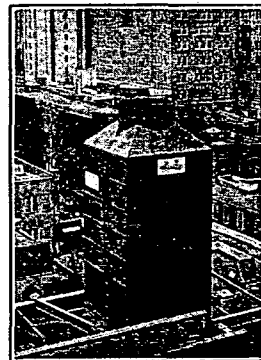
Hot Water Heating Systems

The Wainwright Hot Water Heater as offered by Foster Wheeler is served either with live or exhaust steam. It is adaptable for forced or gravity circulation hot water heating systems or for the supplying of domestic service water.



Cooling Towers

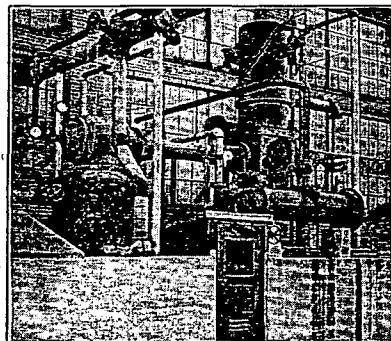
Cooling towers are furnished by Foster Wheeler in all sizes in forced draft, induced draft and atmospheric types.



Foster Wheeler Induced Draft Cooling Tower

Vacuum Refrigeration Systems

Foster Wheeler has developed a system of refrigeration for cooling water or brine to temperatures as low as 32° F using no chemical refrigerant and having no moving parts except the rotors of two centrifugal water pumps. The system can be used wherever steam is available.



75-ton Vacuum Refrigeration System

Wainwright Expansion Joints

These are made in all sizes and for high and low pressures. They are of the flexible accordion type requiring no packing.

O. E. Frank Heater and Engineering Co., Inc.

London Office: Underhill Street

New York Office: 33 West 42nd St.

Canadian Office

1104 Bay Street, Toronto, Ont.



Main Offices and Factory

9 Grimes St.

BUFFALO, N. Y.

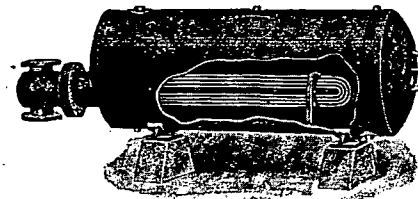
Canadian Factory

Niagara Falls, Ont.

O. E. F. Products—U-Tube and Straight Tube Storage Heaters, Everdur Storage Heaters, U-Tube and Straight Tube Instantaneous Heaters, Heat Re-Claimers, U-Tube and Straight Tube Feed-water Heaters, U-Tube and Straight Tube Swimming Pool Heaters, Bleeder Turbine Heaters, Domestic Service Heaters, Power Plant Heaters, Oil Coolers, Special Heat Exchange Equipment for Industrial Plants.

O. E. F. Storage Heaters are furnished in either the U-Tube or Straight-Tube types to meet your requirements.

Tanks are made of high quality flange boiler steel. Tube Sheets of rolled steel, Castings of heavy gray iron, and Tubes of heavy gauge copper.



O. E. F. U-Tube Storage Heater

Write for BULLETIN No. 50

All Heaters, unless otherwise specified are constructed for a working pressure of 100 lb. Information for higher pressures furnished on request.

When it is necessary to use both high and low pressure steam, the steam chamber and tubes can be so arranged as to eliminate installation of a separate tube bundle.

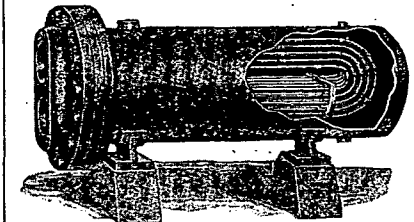
All tube bundles or heating elements are removable from the tank for ease in inspection, cleaning, or repairing.

O. E. F. Storage Heaters

For heating water from 50 to 180 deg. Fahr. with steam at 212 deg. Fahr.

Storage Capacity Gal.	141	370	940	1445	2956	2538	2961
Tank Size Inches	24 x 72	36 x 84	48 x 120	54 x 144	60 x 168	72 x 144	72 x 168
Gallons per Hour	C-5	K-5	W-5	CX-5	MX-5	PX-5	RX-5
100	C-11	K-11	W-11	CX-11	MX-11	PX-11	RX-11
200	C-27	K-27	W-27	CX-27	MX-27	PX-27	RX-27
500	C-43	K-43	W-43	CX-43	MX-43	PX-43	RX-43
800		K-54	W-54	CX-54	MX-54	PX-54	RX-54
1000		K-81	W-81	CX-81	MX-81	PX-81	RX-81
1500		K-108	W-108	CX-108	MX-108	PX-108	RX-108
2000			W-162	CX-162	MX-162	PX-162	RX-162
3000			W-269	CX-269	MX-269	PX-269	RX-269
5000							

O. E. F. U-Tube Instantaneous Heaters and Economizers—An economical heater low in price but having high heating efficiency and made of best materials. Extensively used for heating



O. E. F. Instantaneous U-Tube Heater and Economizer

Write for BULLETIN No. 50

water instantaneously or for connection to storage tanks. Also for use as economizers in cooling condensate in steam systems or generators in hot water heating systems.

These heaters are adaptable for connecting below the water line of the boiler.

Capacities and General Dimensions

O. E. F. U-Tube Instantaneous Heaters

Heating Water from 50-180 deg. Fahr., with Steam at 212 deg. Fahr.

Gallons per Hour	Size	Width In.	Length Ft.-In.	Steam In.	Water In.	Drain In.
100	U-6	11	4-9 7/8	3	1 1/2	1
500	U-15	13 1/2	6-3 3/4	3	2	1 1/2
800	U-24	13 1/2	6-3 3/4	3	2 1/2	1 1/2
1000	U-30	16	6-3 3/4	3	2 1/2	1 1/2
1500	U-45	16	7-4 3/4	4	3	1 1/2
2000	U-60	19	7-5 3/4	4	3	1 1/2
3000	U-90	19	7-5 3/4	6	4	2
5000	U-150	22 1/4	7-7 3/4	8	4	3