

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

Offices in All Principal Cities

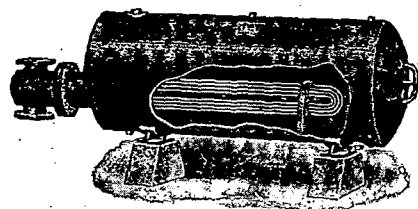


BUFFALO, N. Y.

O. E. F. Products.—U-Tube and Straight Tube Storage Heaters, U-Tube and Straight Tube Instantaneous Heaters, 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

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.

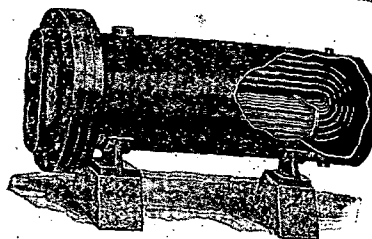
All tube bundles or heating elements are removable from the tank for ease in inspection, cleaning, or repairing.

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	C-54	K-54	W-54	CX-54	MX-54	PX-54	RX-54
1000	C-81	K-81	W-81	CX-81	MX-81	PX-81	RX-81
1500	C-108	K-108	W-108	CX-108	MX-108	PX-108	RX-108
2000	C-162	K-162	W-162	CX-162	MX-162	PX-162	RX-162
3000	C-269	K-269	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

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	4-9/16	3	1 1/2	1
500	U-15	13 1/2	6-3/4	3	2	1 1/2
800	U-24	13 1/2	6-3/4	3	2 1/2	1 1/2
1000	U-30	16	6-3/4	3	2 1/2	1 1/2
1500	U-45	16	7-4/8	4	3	1 1/2
2000	U-60	19	7-5/8	4	3	1 1/2
3000	U-90	19	7-5/8	6	4	2
5000	U-150	22 1/4	7-7/8	8	4	3

Gliss-On Thermax Co.

33 West 42nd Street

New York, N. Y.

The NEW GLISS-ON THERMAX

The New Gliss-On Thermax is a combined Water Heater, Temperature Regulator, Water Purifier, Boiler Accelerator and Fuel Saver comprising a combination of principles and features which make it an outstanding achievement in the science of water heating. It is adaptable to both new and old buildings.

The Gliss-On Thermax maintains a continuous supply of clean hot water of uniform temperature day and night, winter and summer. It maintains a clean boiler, increasing boiler efficiency and assuring clean vacuum traps. Pays for itself in a short time through saving effected.

The Gliss-On Thermax has been developed in actual service under numerous, varied and exacting conditions in different type buildings and in connection with various types of heating plants throughout greater New York and the Metropolitan District.

It is constructed of the best materials obtainable—Cast-iron Shell, Cold Drawn Seamless Copper Tubes, Copper Sediment Separator, Copper Lined Upper Tube-sheet and Cover, Navy Bronze Lower Tubesheet and Cover, and Bronze Regulator.

The Gliss-On Thermax is also made in horizontal types, especially adapted for use in connection with New York Steam, cast-iron sectional boilers and high hydrostatic pressure.

Standard equipment for some of New York's Most Prominent Builders. A list of installations will be furnished gladly. Results are phenomenal.

Capacity Instructions

THERMAX No. represents number of baths for which each THERMAX is guaranteed, where storage tank capacity is the equivalent of 25 gallons per bath or over and the bottom of tank is not more than 6 inches below bottom of water gauge glass of house heating boiler. This applies where the fuel is coal. For oil burners, use one size larger THERMAX—because of the intermittent heat.

For Ideal Conditions, storage tank should have a capacity of 30 gallons to the apartment or over, for one-bath apartments of 5 rooms or less.

Multiple bath apartments should have a tank capacity of 20 gallons to the bath or over—and bottom of tank should be as high or above water line of boiler.

WRITE FOR CATALOGUE AND PERFORMANCE TESTIMONIALS

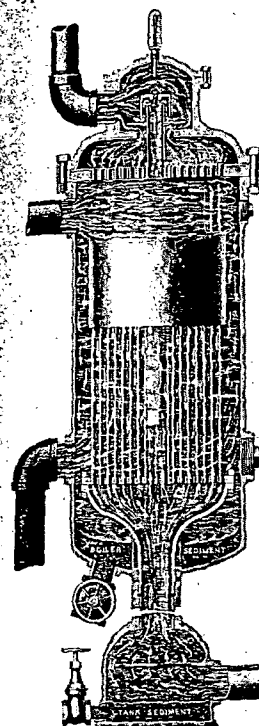
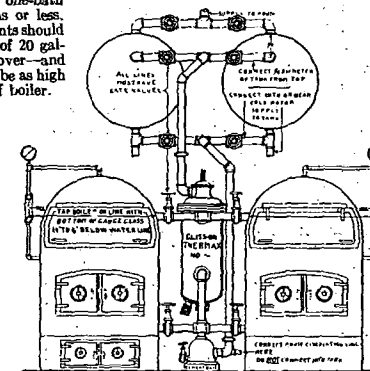


Illustration at right shows correct principle for connecting THERMAX to one or two boilers or tanks



Select the No. THERMAX corresponding to the number of BATHS. In multiple bath apartments, count all baths and separate showers above one to the apartment as 1 1/2 baths. In case of large single bath apartments, divide number of rooms by 4 to determine No. THERMAX required. Size and height of tank should be carefully considered in all cases.

THERMAX No.	30	40	50	60	70	85	100	125	150	175	200	250	300
Gallon Capacity	325	450	600	700	825	1000	1200	1500	1800	2100	2400	3200	4000
100° Rise per Hour	16"	16"	18"	18"	21"	21"	25"	25"	25"	31"	31"	31"	31"
Diameter	38"	44"	52"	58"	64"	68"	72"	72"	72"	72"	72"	72"	72"
Height, Exclusive of Purifier	52"	56"	74"	82"	1000	1085	1170	1800	2000	2400	2500	3000	3600
Approximate Shipping Weight	2"	2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	3 1/2"	3 1/2"	4"	4"	5"	5"
Tank and Boiler Connections	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	3 1/2"	3 1/2"	4"	4"
Side Connections on Shell (Centers)	20"	20"	24"	30"	30"	29"	35"	30 1/2"	36 1/2"	23 1/4"	26 1/4"	35 1/4"	47 1/4"