

Excelso Specialty Works, Inc.

119 Clinton St., BUFFALO, N. Y.

Excelso Indirect Water Heaters, Phaeton Heaters, Fire Pot Generators, Rotary Hack Saw Tools



EXCELSO INDIRECT WATER HEATERS

Dimensions—Price List—Capacities

	Single Coil							Double Coil							Triple Coil	
Size.....	Jr.	11	12	13	14	15	16	25	26	27	28	35	36			
Length.....In.	8 1/2	10 1/2	14	11 1/2	15	19 1/2	12 1/2	15	19	23 1/4	21	25				
Diameter.....In.	5	5	5	6 1/2	6 1/2	6 1/2	9	9	9	9	13 3/4	13 3/4				
Shell Open'gs. In.	1	1	1	1 1/2	1 1/2	1 1/2	2	2	2	2	3	3				
Coil Open'gs. In.	3/4	3/4	3/4	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2	2 1/2	2 1/2				
Weight.....Lbs.	11	13	16	29	37	42	65	73	88	106	185	210				
List Price.....	\$12.50	\$30.	\$40	\$50	\$60	\$70	\$120	\$150	\$180	\$210	\$310	\$400				

Heating Water Below Water Line of Steam or Vapor Boilers

Size.....	Jr.	11	12	13	14	15	25	26	27	28	35	36
Tank Capacity.....	30	30	45	60	90	120	160	200	300	400	600	800

Temperature rise 100 deg. in 3 hours.

Heating Water With Live Steam

Size.....	Jr.	11	12	13	14	15	25	26	27	28	35	36
Tank Capacity.....	45	50	75	100	150	200	250	300	450	600	900	1200

Temperature rise 100 deg. in 3 hours at 5 lb. pressure.

THE EXCELSO PHAETON HEATER

Dimensions—Price List—Capacities

Diameter.....In.	6	8	10	12	15	18
Height.....In.	3 1/2	4 1/2	5 1/4	6	7	8
Tappings.....In.	1	1	1 1/2	2	2 1/2	3
Center to Center of Outlets.....In.	2 1/2	2 1/2	3	3 1/2	4 1/2	5 1/2
Capacity.....Gals.	30	45	80	100	150	250
Sq. Ft. Direct Water Radiation.....Ft.	40	75	100	150	250	400
Shipping Weight.....Lb.	6	11	18	30	60	85
List Price.....Iron	\$7.50	\$12.00	\$20.00	\$24.00	\$50.00	\$70.00
List Price.....Brass	\$15.00	\$28.00	\$45.00	\$54.00	\$115.00	\$160.00

The highly efficient firepot heater, suitable for hot water supply or auxiliary radiation, transfers 80 per cent of heat to water.

Excelso Firepot Generator

Generator fits any type of hot water boiler or hot air furnace. Made in both cast iron and brass.

Size No. 1, up to 40 gals. capacity.
Size No. 2, over 40 gals. capacity.

Excelso Rotary Hack Saw Tool

Boilers may be quickly and easily tapped by means of the Excelso Rotary Hack Saw Tool. Each tool cuts three sizes: 1 in., 1 1/2 in. and 2 in. Pipe Tap size.

Price \$7.50 net, with six blades; two of each size.

The Patterson-Kelley Co.

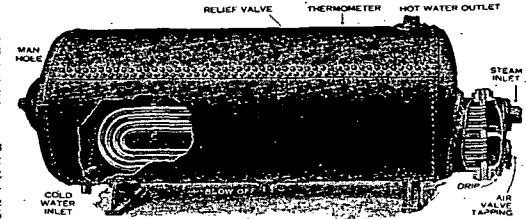
101 Park Avenue

New York City

Hot Water Heaters for all purposes. Pool Heaters and Converters. Preheaters, Heat Exchangers, Heaters for Chemicals, Gases, Oils. Coolers for Brine, Chemicals, Gases, Oil and Water.

The Patterson Combined Hot Water Service and Storage Heater, Type B, is for any service where requirements for hot water are not constant, or where a large volume must be stored for sudden heavy demands.

We guarantee to furnish heaters that will deliver the quantity of hot water called for. Without obligation our Engineering Department will be glad to give engineers the benefit of our 45 years' experience.



General Specifications

Constructed like a high grade boiler—of heavy steel plate. Steam inlet and outlet chamber is a heavy, grey iron casting. Tube head is a heavy, steel forging into which both ends of each tube are expanded. Tubes are of pure, cold drawn seamless copper and 'U' shaped to provide against contraction and expansion strains. Heater is for any service and in any required size per tables below. Write us for engineering advice.

STORAGE CAPACITIES

No.	Dimensions in Inches	Capacity in Gals.	Approx. Wt. in Lbs.	No.	Dimensions in Inches	Capacity in Gals.	Approx. Wt. in Lbs.
1 S	24 x 48	94	650	21 S	42 x 144	860	2450
2 S	24 x 60	118	750	22 S	42 x 168	1000	2800
3 S	24 x 72	141	850	23 S	42 x 192	1155	3100
4 S	24 x 84	164	950	24 S	48 x 96	750	2600
5 S	30 x 60	180	875	25 S	48 x 120	940	2925
6 S	30 x 72	215	1000	26 S	48 x 144	1125	3350
7 S	30 x 84	255	1150	27 S	48 x 168	1300	3840
8 S	30 x 96	285	1300	28 S	48 x 192	1500	4200
9 S	30 x 120	360	1500	29 S	54 x 120	1190	3500
10 S	36 x 72	310	1250	30 S	54 x 144	1425	3900
11 S	36 x 84	365	1400	31 S	54 x 168	1665	4300
12 S	36 x 96	415	1550	32 S	54 x 192	1900	4700
13 S	36 x 108	475	1700	33 S	60 x 120	1400	4300
14 S	36 x 120	500	1850	34 S	60 x 144	1700	4950
15 S	36 x 144	640	2100	35 S	60 x 168	2000	5600
16 S	42 x 72	430	1500	36 S	60 x 192	2240	6200
17 S	42 x 84	500	1650	37 S	72 x 174	3000	7000
18 S	42 x 96	575	1800	38 S	84 x 168	4000	8700
19 S	42 x 108	650	1950	39 S	96 x 168	5200	10000
20 S	42 x 120	720	2200	40 S	96 x 192	6000	11000

HEATING CAPACITIES—40° F. to 180° F.—Steam at Atmospheric Pressure

No.	Gallons per Hour	Approx. Wt. in Lbs.	No.	Gallons per Hour	Approx. Wt. in Lbs.
1 H	100	200	15 H	2000	700
2 H	150	215	16 H	2500	800
3 H	200	235	17 H	3000	900
4 H	250	255	18 H	3500	1050
5 H	300	285	19 H	4000	1200
6 H	400	315	20 H	4500	1350
7 H	500	370	21 H	5000	1500
8 H	600	400	22 H	6000	1750
9 H	700	425	23 H	7500	2000
10 H	800	450	24 H	10000	3200
11 H	1000	500	25 H	12500	3800
12 H	1250	550	26 H	15000	4500
13 H	1500	550	27 H	20000	5100
14 H	1750	600	28 H	25000	5800

NOTE.—To specify Type B. Heaters, combine the numbers of the required storage and heating capacities. For example, "One Patterson Type B. Heater with No. 22 S. and No. 17 H." has 1000 gallons storage with 3000 gallons hourly heating capacity.