

The Patterson-Kelley Co.

99 Park Avenue

New York City

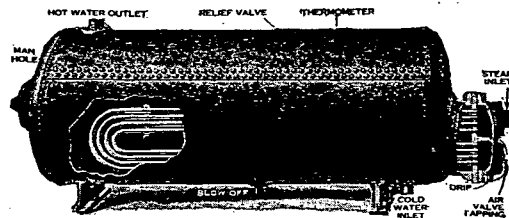
Hot Water Heaters for all purposes. Pool Heaters and Converters. Preheaters, Heat Exchangers, Heaters for Chemicals, Gases, Oils. Coolers for Brine, Chemicals, Gases, Oil and Water.

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 49 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.



HEATING CAPACITIES—

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

No.	Gallons per Hour	Approx. Wt. in Lb.	No.	Gallons per Hour	Approx. Wt. in Lb.
1H	100	200	15H	2000	700
2H	150	215	16H	2500	800
3H	200	235	17H	3000	900
4H	250	255	18H	3500	1050
5H	300	285	19H	4000	1200
6H	400	315	20H	4500	1350
7H	500	350	21H	5000	1500
8H	600	370	22H	6000	1750
9H	700	400	23H	7500	2000
10H	800	425	24H	10000	3200
11H	1000	450	25H	12500	3800
12H	1250	500	26H	15000	4500
13H	1500	550	27H	20000	5100
14H	1750	600	28H	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.

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	10800
20 S	42 x 120	720	2200	40 S	96 x 192	6000	11000

The Whitlock Coil Pipe Company

Manufacturers and Engineers

HARTFORD, CONN.

Baltimore, Md. Dallas, Tex.
Boston, Mass. Denver, Colo.
Buffalo, N. Y. Detroit, Mich.
Charlotte, N. C. Houston, Tex.
Chicago, Ill. Indianapolis, Ind.
Cincinnati, O. Kansas City, Mo.
Cleveland, O. Memphis, Tenn.

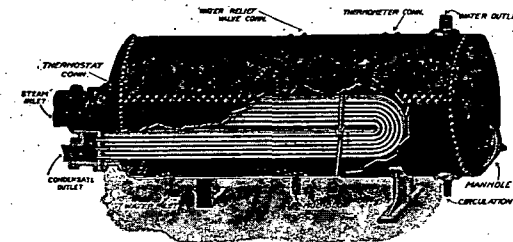
WHITLOCK

SERVICE WATER HEATERS

New Orleans, La. San Antonio, Tex.
New York, N. Y. San Francisco, Calif.
Omaha, Neb. Seattle, Wash.
Philadelphia, Pa. St. Louis, Mo.
Pittsburgh, Pa. St. Paul, Minn.
Portland, Ore. Tacoma, Wash.
Rochester, N. Y.

Darling Bros. Montreal, Manufacturers of Whitlock Heaters in Canada

See Telephone Directory for Local Address



Whitlock type "K" storage heaters are manufactured in both horizontal and vertical types. The table shows sizes of the horizontal heaters only. We will gladly furnish dimensions of horizontal heaters and vertical heaters upon request. That this type of heater is of particularly sturdy construction is evidenced by the increasing number of prominent engineers and architects who are specifying their use in all types of buildings, including many of the largest and finest buildings constructed.

Whitlock Type K Storage Heaters, Horizontal

SHELLS							HEATING SECTIONS				
To be used with Type K Heating Section							Capacity based on Heating from 40° to 180° with				
Shell Prices include Cradle. Manhole 11"x15"							Steam at 0 lbs. pressure. For other temperatures and Steam Pressures see Bulletin No. 27				
Number	Gallons One Filling	Diameter of Shell	Length of Shell	Thickness of Shell	Thickness of Head	Weight of Shell	Number	Gallons per Hour	Maximum Size Steam Pipe Inches	Smallest Shell into which Section will Fit Inches	Weight of Entire Heating Section Lbs.
1	65	18	60	1/4	3/8	400	H 0	100	2	18x 48	75
2	80	18	72	1/4	3/8	450	H 1	150	2	18x 60	80
3	118	24	60	1/4	3/8	600	H 2	200	2	18x 72	90
4	141	24	72	1/4	3/8	700	H 3	250	3/2	18x 48	175
5	164	24	84	1/4	3/8	800	H 4	300	3/2	18x 48	185
6	185	30	60	1/4	3/8	750	H 5	350	3/2	18x 60	190
7	220	30	72	1/4	3/8	850	H 6	400	3/2	18x 60	200
8	255	30	84	1/4	3/8	950	H 7	500	3/2	18x 72	210
9	290	36	84	1/4	3/8	1050	H 8	550	3/2	18x 72	215
10	365	36	84	1/4	3/8	1300	H 9	600	3/2	18x 84	220
11	420	36	96	1/4	3/8	1450	H 10	700	5	24x 60	300
12	475	36	108	1/4	3/8	1600	H 11	800	3/2	18x 96	260
13	525	36	120	1/4	3/8	1800	H 12	900	3/2	18x 108	270
14	575	42	96	1/4	3/8	1850	H 13	1000	3/2	18x 120	285
15	720	42	120	1/4	3/8	2150	H 14	1250	5	24x 84	370
16	860	42	144	1/4	3/8	2500	H 15	1500	5	24x 108	425
17	1000	42	168	1/4	3/8	2900	H 16	1750	5	24x 120	450
18	950	48	120	3/8	1/2	2850	H 17	2000	6	30x 96	570
19	1140	48	144	3/8	1/2	3250	H 18	2400	6	30x 120	620
20	1310	48	168	3/8	1/2	3700	H 19	2800	6	30x 132	670
21	1480	48	192	3/8	1/2	4100	H 20	3200	8	36x 96	860
22	1190	54	120	3/8	1/2	3250	H 21	3600	8	36x 108	920
23	1430	54	144	3/8	1/2	3700	H 22	4000	8	36x 120	950
24	1670	54	168	3/8	1/2	4200	H 23	4400	8	36x 132	1020
25	1900	54	192	3/8	1/2	4700	H 24	4800	10	36x 96	1200
26	1420	60	144	1/2	3/4	4300	H 25	5400	10	36x 108	1300
27	1710	60	168	1/2	3/4	4900	H 26	6000	10	36x 120	1380
28	2000	60	192	1/2	3/4	5600	H 27	7000	12	42x 96	1950
29	2300	60	216	1/2	3/4	6200	H 28	8000	12	42x 96	2000
30	2460	72	144	1/2	3/4	5700	H 29	9000	12	42x 108	2300
31	2880	72	168	1/2	3/4	6400	H 30	10000	12	42x 108	2460

DIRECTIONS FOR USE.—Select the size storage you require and combine its designating number with the number which designates the desired hourly output. Assuming a required storage of 1000 gallons (No. 17 shell 42 x 168) and a required hourly output of 1750 gallons (No. H16 Heating unit) you would specify a Whitlock Type K No. 17H16.