

# The Whitlock Coil Pipe Company

Manufacturers and Engineers

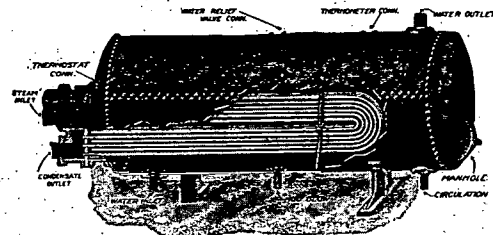
HARTFORD, CONN.

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

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

Darling Bros. Montreal, Manufacturers of Whitlock Heaters in Canada

See Telephone Directory for Local Address



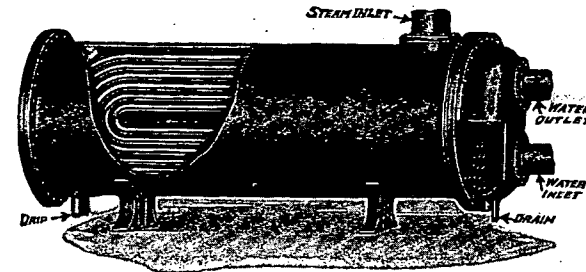
Whitlock type "K" storage heaters are manufactured in both horizontal and vertical types. The table shows sizes of the horizontal heaters only. We will gladly furnish dimensions of horizontal heaters and vertical heaters upon request. That this type of heater is of particularly sturdy construction is 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<br>Shell Prices include Cradle. Manhole 11"x15" |                           |                           |                    |                            |                           |                    | Capacity based on Heating from 40° to 180° with<br>Steam at 0 lbs. pressure. For other tempera-<br>tures and Steam Pressures see Bulletin No. 27 |                        |                                            |                                                                  |                                                   |  |  |
| Number                                                                                 | Gallons<br>One<br>Filling | Diam-<br>eter of<br>Shell | Length<br>of Shell | Thick-<br>ness of<br>Shell | Thick-<br>ness of<br>Head | Weight<br>of Shell | Number                                                                                                                                           | Gallons<br>per<br>Hour | Maximum<br>Size<br>Steam<br>Pipe<br>Inches | Smallest<br>Shell<br>into which<br>Section<br>will Fit<br>Inches | Weight<br>of Entire<br>Heating<br>Section<br>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 72                                                           | 210                                               |  |  |
| 8                                                                                      | 255                       | 30                        | 84                 | 1/4                        | 3/8                       | 950                | H 7                                                                                                                                              | 500                    | 3/2                                        | 18x 72                                                           | 215                                               |  |  |
| 9                                                                                      | 290                       | 30                        | 96                 | 1/4                        | 3/8                       | 1050               | H 8                                                                                                                                              | 550                    | 3/2                                        | 18x 84                                                           | 220                                               |  |  |
| 10                                                                                     | 365                       | 36                        | 84                 | 1/2                        | 1/2                       | 1300               | H 9                                                                                                                                              | 600                    | 3/2                                        | 24x 60                                                           | 300                                               |  |  |
| 11                                                                                     | 420                       | 36                        | 96                 | 1/2                        | 1/2                       | 1450               | H 10                                                                                                                                             | 700                    | 5                                          | 24x 60                                                           | 300                                               |  |  |
| 12                                                                                     | 475                       | 36                        | 108                | 1/2                        | 1/2                       | 1600               | H 11                                                                                                                                             | 800                    | 3/2                                        | 18x 96                                                           | 260                                               |  |  |
| 13                                                                                     | 525                       | 36                        | 120                | 1/2                        | 1/2                       | 1800               | H 12                                                                                                                                             | 900                    | 3/2                                        | 18x 108                                                          | 270                                               |  |  |
| 14                                                                                     | 575                       | 42                        | 96                 | 1/2                        | 1/2                       | 1850               | H 13                                                                                                                                             | 1000                   | 3/2                                        | 18x 120                                                          | 285                                               |  |  |
| 15                                                                                     | 720                       | 42                        | 120                | 1/2                        | 1/2                       | 2150               | H 14                                                                                                                                             | 1250                   | 5                                          | 24x 84                                                           | 370                                               |  |  |
| 16                                                                                     | 860                       | 42                        | 144                | 1/2                        | 1/2                       | 2500               | H 15                                                                                                                                             | 1500                   | 5                                          | 24x 108                                                          | 425                                               |  |  |
| 17                                                                                     | 1000                      | 42                        | 168                | 1/2                        | 1/2                       | 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 108                                                          | 1300                                              |  |  |
| 26                                                                                     | 1420                      | 60                        | 120                | 3/8                        | 1/2                       | 4300               | H 25                                                                                                                                             | 5400                   | 10                                         | 36x 120                                                          | 1380                                              |  |  |
| 27                                                                                     | 1710                      | 60                        | 144                | 3/8                        | 1/2                       | 4900               | H 26                                                                                                                                             | 6000                   | 10                                         | 36x 132                                                          | 1450                                              |  |  |
| 28                                                                                     | 2000                      | 60                        | 168                | 3/8                        | 1/2                       | 5600               | H 27                                                                                                                                             | 7000                   | 12                                         | 42x 96                                                           | 2000                                              |  |  |
| 29                                                                                     | 2300                      | 60                        | 192                | 3/8                        | 1/2                       | 6200               | H 28                                                                                                                                             | 8000                   | 12                                         | 42x 108                                                          | 2300                                              |  |  |
| 30                                                                                     | 2460                      | 72                        | 144                | 3/8                        | 1/2                       | 5700               | H 29                                                                                                                                             | 9000                   | 12                                         | 42x 108                                                          | 2460                                              |  |  |
| 31                                                                                     | 2880                      | 72                        | 168                | 3/8                        | 1/2                       | 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.

## WHITLOCK TYPE R INSTANTANEOUS HEATERS



This type of heater is used extensively as an instantaneous heater in connection with a separate storage tank, as a swimming pool heater, as a hot water converter for use with a heating system as well as for various special conditions.

Standard sizes of the 2 and 4 pass heaters are shown in the table. Dimensions on multi-pass heater will be furnished on request.

### Standard Sizes, Capacities, Dimensions and Weights

| 2 PASS, TEMP. RANGE 40° F. to 80° F. |                           |                 |                    |                        |                        |        | 4 PASS TEMP. RANGE 40° F. to 120° F. |                 |                    |                        |                        |        |  |
|--------------------------------------|---------------------------|-----------------|--------------------|------------------------|------------------------|--------|--------------------------------------|-----------------|--------------------|------------------------|------------------------|--------|--|
| Size No.                             | Capacity Gallons per Hour | Over-all Length | Diam-eter of Shell | Size Water Connections | Size Steam Connections | Weight | Capacity Gallons per Hour            | Over-all Length | Diam-eter of Shell | Size Water Connections | Size Steam Connections | Weight |  |
| 0                                    | 150                       | 11 1/8          | 7                  | 3/4                    | 1 1/4                  | 80     | 80                                   | 11 1/8          | 7                  | 3/4                    | 1                      | 80     |  |
| 1                                    | 350                       | 14 1/8          | 7                  | 1 1/4                  | 1 1/2                  | 90     | 150                                  | 16 1/8          | 7                  | 3/4                    | 1 1/4                  | 100    |  |
| 2                                    | 650                       | 19 1/8          | 7                  | 1 1/2                  | 1 1/2                  | 110    | 300                                  | 21 1/8          | 7                  | 1                      | 2                      | 115    |  |
| 3                                    | 1100                      | 23 1/8          | 7                  | 2                      | 2                      | 130    | 480                                  | 26 1/8          | 7                  | 1                      | 2                      | 135    |  |
| 4                                    | 1600                      | 29 1/8          | 7                  | 2                      | 2 1/2                  | 145    | 650                                  | 31 1/8          | 7                  | 1 1/4                  | 2 1/2                  | 150    |  |
| 5                                    | 1900                      | 34 1/8          | 7                  | 2                      | 3                      | 170    | 800                                  | 38 1/8          | 7                  | 1 1/4                  | 2 1/2                  | 170    |  |
| 6                                    | 2550                      | 24 1/4          | 9 1/2              | 2 1/2                  | 3 1/2                  | 240    | 960                                  | 24 1/4          | 9 1/2              | 2                      | 3                      | 220    |  |
| 7                                    | 3200                      | 30 1/4          | 9 1/2              | 2 1/2                  | 3 1/2                  | 270    | 1350                                 | 30 1/4          | 9 1/2              | 2 1/2                  | 3                      | 270    |  |
| 8                                    | 3800                      | 35 1/4          | 9 1/2              | 2 1/2                  | 4                      | 300    | 1600                                 | 35 1/4          | 9 1/2              | 2                      | 4 1/2                  | 300    |  |
| 9                                    | 5100                      | 43 1/4          | 9 1/2              | 3                      | 5                      | 360    | 2100                                 | 43 1/4          | 9 1/2              | 2                      | 4 1/2                  | 350    |  |
| 10                                   | 6350                      | 55 1/4          | 9 1/2              | 3                      | 5                      | 420    | 2600                                 | 55 1/4          | 9 1/2              | 2 1/2                  | 5                      | 420    |  |
| 11                                   | 7950                      | 45              | 12                 | 4                      | 6                      | 610    | 3300                                 | 52              | 12                 | 2 1/2                  | 5                      | 620    |  |
| 12                                   | 9550                      | 52              | 12                 | 4                      | 6                      | 670    | 4000                                 | 61              | 12                 | 3                      | 6                      | 700    |  |
| 13                                   | 12700                     | 67              | 12                 | 4                      | 8                      | 810    | 5300                                 | 79              | 12                 | 3                      | 6                      | 860    |  |
| 14                                   | 15900                     | 51 1/8          | 15                 | 5                      | 8                      | 930    | 6600                                 | 55 1/8          | 15                 | 3 1/2                  | 8                      | 940    |  |
| 15                                   | 19100                     | 59 1/8          | 15                 | 5                      | 8                      | 1040   | 8000                                 | 65 1/8          | 15                 | 4                      | 8                      | 1070   |  |
| 16                                   | 25600                     | 59              | 17                 | 6                      | 10                     | 1320   | 10500                                | 71              | 17                 | 5                      | 10                     | 1390   |  |
| 17                                   | 31700                     | 71              | 17                 | 6                      | 10                     | 1510   | 13300                                | 85              | 17                 | 5                      | 10                     | 1580   |  |
| 18                                   | 38200                     | 61 1/4          | 20                 | 8                      | 12                     | 1940   | 16000                                | 77 1/4          | 20                 | 5                      | 12                     | 2020   |  |
| 19 1/2                               | 44400                     | 70 1/4          | 20                 | 8                      | 12                     | 2100   | 18500                                | 87 1/4          | 20                 | 5                      | 12                     | 2230   |  |
| 19                                   | 50700                     | 78 1/4          | 20                 | 8                      | 12                     | 2300   | 21000                                | 97 1/4          | 20                 | 6                      | 12                     | 2430   |  |
| 19 1/2                               | 57100                     | 85 1/4          | 26                 | 10                     | 14                     | 2870   | 24000                                | 62 1/4          | 26                 | 6                      | 12                     | 2800   |  |
| 20                                   | 63450                     | 64 1/4          | 26                 | 10                     | 14                     | 3020   | 26700                                | 67 1/4          | 26                 | 6                      | 12                     | 3000   |  |
| 21                                   | 79300                     | 76 1/4          | 26                 | 10                     | 16                     | 3500   | 33300                                | 82 1/4          | 26                 | 6                      | 14                     | 3480   |  |
| 22                                   | 95100                     | 66              | 30                 | 12                     | 18                     | 4250   | 40000                                | 73              | 30                 | 8                      | 14                     | 4015   |  |
| 23                                   | 126900                    | 83              | 30                 | 12                     | 20                     | 4780   | 53300                                | 92              | 30                 | 8                      | 16                     | 4600   |  |
| 24                                   | 158400                    | 78              | 36                 | 14                     | 24                     | 6550   | 66700                                | 83              | 36                 | 10                     | 20                     | 6100   |  |
| 25                                   | 191000                    | 89              | 36                 | 14                     | 24                     | 7060   | 80000                                | 95              | 36                 | 10                     | 22                     | 6900   |  |

Sizes 0 to 10 inclusive, have 1/4" O. D. No. 18 B. W. G.

Copper Tubes.

Remainder have 1" O. D. No. 17 B. W. G. Copper Tubes.

Sizes 0 to 10 inclusive, have 1/4" O. D. No. 18 B. W. G.

Copper Tubes.

Remainder have 1" O. D. No. 17 B. W. G. Copper Tubes.

Whitlock Heat Transfer Products include the following types of apparatus in addition to the Storage and Instantaneous Heaters shown above: Feed Water Heaters; Heat Exchangers; Fuel Oil Heaters; Superheaters; Condensers and Coolers for all kinds of liquids; Also pipe coils of any kind of pipe or tubing and Air and Ammonia Receivers.

Additional information and quotations covering any of this apparatus will be gladly furnished upon request.