

**Bell and Gossett Company**  
3000 Wallace Street Chicago, Ill.  
HOT WATER SYSTEMS AND SPECIALTIES

**B & G INDIRECT WATER HEATERS FOR STEAM AND VAPOR SYSTEMS**

Ratings below are based on 100 degree rise in three hours with boiler water temperature of 180 degrees or more

| Description                                                                                        | No.  | Capacity Gallons | Max. Length Inches | Max. Width Inches | Shell Openings Inches | Coil Openings Inches | Shipping Weights Pounds |
|----------------------------------------------------------------------------------------------------|------|------------------|--------------------|-------------------|-----------------------|----------------------|-------------------------|
| <b>SINGLE COIL</b><br>For residences of all sizes. Duplex apartments and small buildings.          | 30   | 30               | 11 1/4             | 5 1/2             | 1                     | 3/4                  | 12                      |
|                                                                                                    | 40   | 40               | 12 1/4             | 5 1/2             | 1                     | 3/4                  | 13                      |
|                                                                                                    | 60   | 60               | 14 1/4             | 7 1/2             | 1                     | 3/4                  | 15                      |
|                                                                                                    | 70   | 70               | 15 1/4             | 7 1/2             | 1 1/2                 | 1                    | 29                      |
|                                                                                                    | 90   | 90               | 18 1/4             | 7 1/2             | 1 1/2                 | 1                    | 39                      |
|                                                                                                    | 100  | 100              | 20 1/4             | 7 1/2             | 1 1/2                 | 1                    | 40                      |
| <b>DOUBLE COIL</b><br>For larger apartments, garages, medium sized factories and office buildings. | 120  | 120              | 22 1/4             | 7 1/2             | 1 1/2                 | 1                    | 42                      |
|                                                                                                    | 150  | 150              | 25 1/4             | 7 1/2             | 1 1/2                 | 1                    | 46                      |
|                                                                                                    | 160  | 160              | 12                 | 11 1/2            | 2                     | 1 1/2                | 53                      |
| <b>TRIPLE COIL</b><br>For heavier requirements.                                                    | 200  | 200              | 14 1/4             | 11 1/2            | 2                     | 1 1/2                | 59                      |
|                                                                                                    | 300  | 300              | 19 1/4             | 11 1/2            | 2                     | 1 1/2                | 78                      |
|                                                                                                    | 400  | 400              | 23 1/4             | 11 1/2            | 2                     | 1 1/2                | 86                      |
| <b>DOUBLE TRIPLE COILS</b>                                                                         | 600  | 600              | 21 1/4             | 15 1/4            | 3                     | 2 1/2                | 230                     |
|                                                                                                    | 800  | 800              | 25 1/4             | 15 1/4            | 3                     | 2 1/2                | 250                     |
|                                                                                                    | 1000 | 1000             | 29 1/4             | 15 1/4            | 3                     | 2 1/2                | 290                     |
| <b>DOUBLE TRIPLE COILS</b>                                                                         | 1200 | 1200             | 23 1/4             | 29                | 4                     | 3 1/2                | 568                     |
|                                                                                                    | 1600 | 1600             | 27 1/4             | 29                | 4                     | 3 1/2                | 642                     |
|                                                                                                    | 2000 | 2000             | 30 1/4             | 29                | 4                     | 3 1/2                | 716                     |

**B & G TANKLESS HEATER**

This B & G Tankless Type Heater has been designed to fulfill a need for a heater of unusual capacity that could be installed in boiler rooms lacking space for storage tanks.



For all Steam, Vapor and Hot Water Heating Boilers

| Series Number | Coil Openings | Shell Openings | Boiler Water Capacities |        |        | Length | Diameter | Shipping Weight Pounds |
|---------------|---------------|----------------|-------------------------|--------|--------|--------|----------|------------------------|
|               |               |                | 180 F.                  | 200 F. | 212 F. |        |          |                        |
| 12            | 3/4"          | 2"             | 110                     | 175    | 225    | 26"    | 12"      | 80                     |
| 16            | 3/4"          | 2"             | 145                     | 246    | 305    | 35"    | 12"      | 100                    |
| 20            | 3/4"          | 2 1/2"         | 175                     | 300    | 375    | 34"    | 12"      | 130                    |
| 30            | 3/4"          | 3"             | 250                     | 430    | 516    | 51"    | 12"      | 180                    |

**B & G THERMOCK**

Controls automatically the temperature of hot water storage tanks heated by indirect heaters. A simple, completely automatic device that prevents lime and sediment formation in the heater coils. Sizes 1 1/2 in. and 2 in.

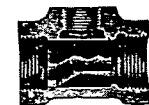


**B & G No. 3 DUAL UNIT**

A better combination Relief-Reducing Valve at low cost. Body and all parts exposed to water are bronze. Extra-large chemical-treated composition diaphragm. Relief Valve opens at 28 lbs. pressure. Reducing Valve easily adjusted for various building heights.



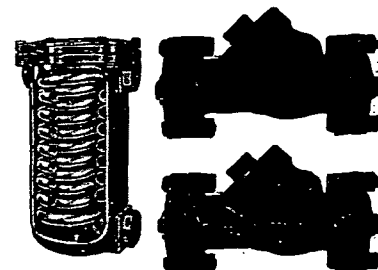
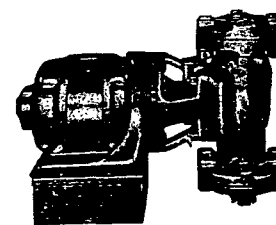
**B & G MONOFLO FITTING**



This fitting is used on mechanically-circulated one-pipe hot water systems. When installed in the main at each radiator connection, it assures a balanced system with short circuits eliminated and all radiators receiving their full quota of hot water.

Sizes: 1 in., 1 1/4 in., 1 1/2 in., 2 in.

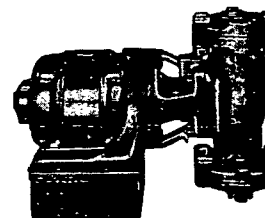
**B & G TRIPLE DUTY SYSTEMS FOR HOT WATER SYSTEMS†**



| Size No. | Recommended Tank Sizes | Capacities Gals. per Hr. | *Capacities Sq. Ft. Net Rad. | Shipping Wt. Lbs. |
|----------|------------------------|--------------------------|------------------------------|-------------------|
| 11       | 30 gals.               | 30                       | 750                          | 111               |
| C-11     | 30 gals.               | 30                       | 750                          | 97                |
| 12       | 45 gals.               | 35                       | 750                          | 115               |
| C-12     | 45 gals.               | 35                       | 750                          | 102               |
| 13       | 66 gals.               | 40                       | 750                          | 118               |
| C-13     | 66 gals.               | 40                       | 750                          | 114               |
| 14       | 88 gals.               | 50                       | 750                          | 125               |
| C-14     | 88 gals.               | 50                       | 750                          | 121               |
| 15       | 30 gals.               | 30                       | 1,500                        | 150               |
| C-15     | 30 gals.               | 30                       | 1,500                        | 133               |
| 16       | 45 gals.               | 35                       | 1,500                        | 154               |
| C-16     | 45 gals.               | 35                       | 1,500                        | 137               |
| 17       | 66 gals.               | 40                       | 1,500                        | 157               |
| C-17     | 66 gals.               | 40                       | 1,500                        | 140               |
| 18       | 88 gals.               | 50                       | 1,500                        | 164               |
| C-18     | 88 gals.               | 50                       | 1,500                        | 131               |
| 19       | 70 gals.               | 30                       | 3,000                        | 173               |
| XC-19    | 120 gals.              | 70                       | 1,500                        | 168               |
| 20       | 66 gals.               | 40                       | 3,000                        | 180               |
| XC-20    | 180 gals.              | 100                      | 1,500                        | 184               |
| 21       | 88 gals.               | 50                       | 3,000                        | 187               |
| XC-21    | 300 gals.              | 140                      | 1,500                        | 188               |
| 22       | 120 gals.              | 70                       | 3,000                        | 207               |
| C-22     | 120 gals.              | 70                       | 3,000                        | 181               |
| 23       | 180 gals.              | 100                      | 3,000                        | 223               |
| C-23     | 180 gals.              | 100                      | 3,000                        | 197               |
| 24       | 300 gals.              | 140                      | 3,000                        | 227               |
| C-24     | 300 gals.              | 140                      | 3,000                        | 201               |

\*Capacities in square foot of direct radiation are based on 200 Btu radiator emission with a 20° F. drop.  
†NOTE.—Bell and Gossett Company have always recommended the use of a Flo-Control Valve in both feed and return main to prevent any possibility of an air-bound boiler or of radiators heating by back circulation in summer. If the system, however, has a D & T Air-Cushioned Tank installed in exact accordance with our instructions, a Type "C" System, using only one Flo-Control, will work satisfactorily.

**B & G BOOSTER**

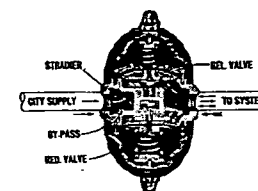


| Size No. | Face to Face Dimensions | Flange Size    | Motor 110 Volt 60 Cycle | Normal Delivery Gallons per Minute | Shipping Weight |
|----------|-------------------------|----------------|-------------------------|------------------------------------|-----------------|
| 1"       | 7 1/4"                  | 1" Screwed     | 1/6 hp.                 | 15 at 2 ft. head                   | 62 lbs.         |
| 1 1/2"   | 8 1/4"                  | 1 1/2" Flanged | 1/6 hp.                 | 23 at 2 1/2 ft. head               | 68 lbs.         |
| 2"       | 8 1/2"                  | 2" Flanged     | 1/6 hp.                 | 30 at 2 1/2 ft. head               | 75 lbs.         |
| 2 1/2"   | 8 3/4"                  | 2 1/2" Flanged | 1/6 hp.                 | 60 at 2 1/2 ft. head               | 79 lbs.         |
| 3"       | 12"                     | 3" Flanged     | 1/3 hp.                 | 100 at 5 1/2 ft. head              | 136 lbs.        |

**D & T SELF-FILLING, AIR-CUSHIONED PRESSURE SYSTEMS**

Self-Filling Air-Cushioned Tank Equipment consists of a D & T Air Tank and a D & T No. 500 "All In One" Unit which is a combination relief and pressure reducing valve, performing the double duty of relieving excess pressure and keeping the system filled with water.

| System No. | Capacity Sq Ft Radiation | System No. | Capacity Sq Ft Radiation |
|------------|--------------------------|------------|--------------------------|
| 518        | Up to 500 ft             | 540        | Up to 2000 ft            |
| 524        | Up to 800 ft             | 560        | Up to 3000 ft            |
| 530        | Up to 1200 ft            | 580        | Up to 4000 ft            |
| 535        | Up to 1600 ft            | ...        | .....                    |



**D & T SIMPLEX TANK-IN-BASEMENT PRESSURE SYSTEM**

This system consists of an air-tight D & T Compression Tank, D & T Simplex Relief Valve (illustrated), and D & T Vacuum Breaking Valve. Made in 8 different sizes with capacities up to 5000 sq ft of radiation.