

## Bell and Gossett Company

Morton Grove, Illinois  
(Suburb of Chicago)

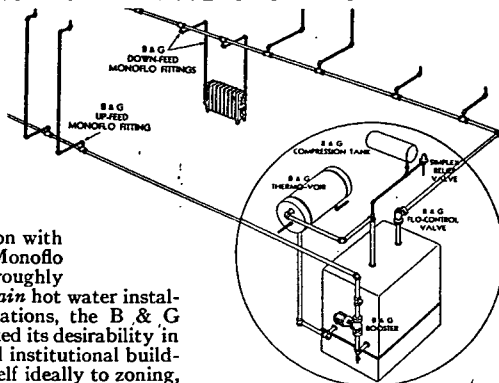
HOT WATER SYSTEMS AND SPECIALTIES

### B & G MONOFLO HEATING SYSTEMS

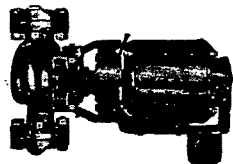


**B & G Monoflo Fitting**

A genuine advance in controlled and economical heating is offered by the B & G Monoflo System. In conjunction with forced circulation, the B & G Monoflo Fitting makes possible a thoroughly practical, well balanced *single main* hot water installation. In over 100,000 installations, the B & G Monoflo System has demonstrated its desirability in homes, apartments, factories and institutional buildings. The equipment lends itself ideally to zoning, yet is exceedingly simple in application.



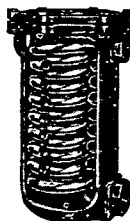
#### EQUIPMENT REQUIRED



**B & G Booster**

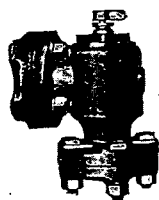
An electrically-driven centrifugal pump, which mechanically circulates hot water through the system — distinguished by genuine oil

lubrication, patented water-tight seal and precision manufacture throughout.



**B & G Indirect Water Heater**

Any one of five B & G Heater types can be installed to furnish year around domestic hot water at smallest possible cost.



**B & G Angle Flo-Control Valve**

This valve, installed in the main, controls circulation of hot water to radiators, permitting summer operation of the Indirect Water Heater. It also helps maintain a uniform room temperature during the heating season.

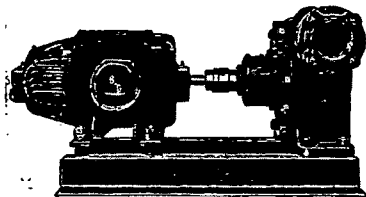
**B & G Motorized Valves**

B & G Motorized Valves are ideal for controlling boiler water flow through the individual circuits of zoned heating systems.



#### B & G Universal Pump

THE B & G UNIVERSAL PUMP is designed primarily for large warm water heating systems in apartment buildings, office buildings, factories, schools, etc. The installation can be operated as one large single zone or divided into several zones by controlling the circulation of the pumped water through each circuit with a B & G Motorized Valve, operated by a zone thermostat; the pump being either operated continuously or until all valves are in the closed position.



See the B & G Handbook for Complete Engineering Data

### HEAT TRANSFER EQUIPMENT

#### B & G Steel Tube Indirect Water Heaters



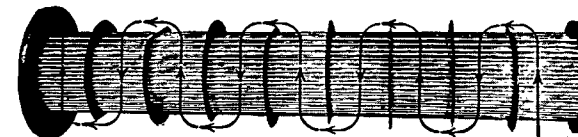
These steel tube heaters are offered as equally efficient substitutes for copper tube units now prohibited by war conditions. Available in a wide range of capacities for both tank and tankless operation.

#### B & G Steam Convertors

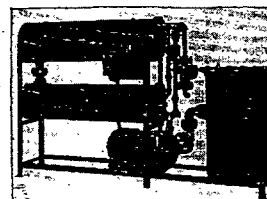
Extensively used where steam is required in the factory for power or process work but where the benefits of *mechanically circulated hot water* are desired for the heating system. Steam is passed through the convertor shell, thereby heating water circulated through the tubing. The water is then pumped through the heating system.



#### Typical Tube Bundle as Used in B & G Heat Transfer Unit



The Bell & Gossett Company offers a complete line of heat transfer equipment for either heating or cooling liquids and gases. Illustration above shows a tube bundle with baffles directing the water flow so as to obtain maximum cooling effect.



#### B & G Rapid Oil Coolers

B & G Oil Coolers utilize city water to cool quenching oil and maintain the quench tank constantly at the desired degree. Furnished either as a separate unit or as part of a complete B & G Oil-Cooling System, including Quench Tank, Pump, Temperature Regulator, Motorized and Relief Valves, Electrical Controls, Strainer, etc.



**B & G Quench Tanks**

It is important that the quench tank be fitted to the product: B & G services, therefore, include the designing and manufacture of quench tanks to suit your specific requirements. Tanks can be constructed to automatically lift out the quenched pieces after the proper time interval.

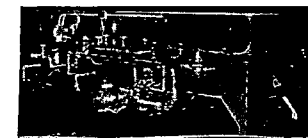


#### B & G Diesel Engine Coolers

Heated water from engine jacket is circulated through tubes of unit and is cooled by cold water circulating through the shell. Eliminates corrosion and deposits within the engine which occur unless the same cooling water is used over and over.

#### B & G Wash Tanks

For industrial processes where washing is necessary, B & G builds wash tanks to exactly meet the requirements. Illustration shows a three compartment tank especially designed for washing castings in a large defense plant.



Write for engineering data on B & G Heat Transfer Equipment