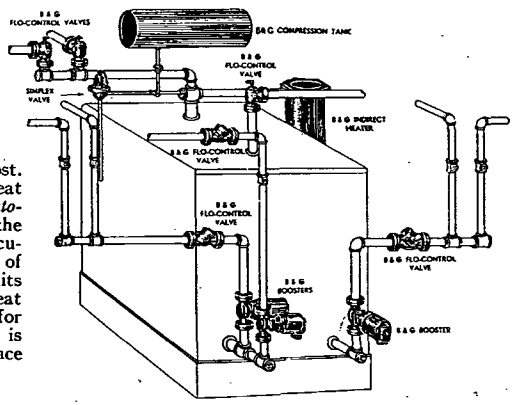
Bell and Gossett Company

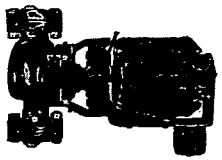
Morton Grove, Illinois

HOT WATER SYSTEMS AND SPECIALTIES

B & G Forced Hot Water Heating Systems

To a postwar world demanding improved ways of doing old things, B & G Forced Hot Water Heating contributes better heating at lower installation and operating cost. It is a system in which the heat input is *accurately and automatically controlled* to equal the heat loss. Water can be circulated through a long range of temperatures, hence permits close adjustment of the heat supply to the actual need for heat. Operating equipment is extremely simple—an assurance of dependable performance.



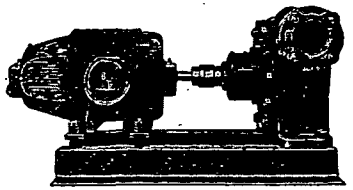


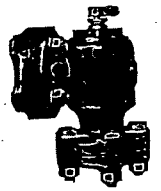
B & G Boosters

An electrically-driven centrifugal pump, used to mechanically circulate water through B & G Forced Hot Water Heating Systems. It is distinguished by genuine oil lubrication, patented water-tight seal, exceptionally quiet operation and precision manufacture throughout.

B & G Universal Pumps

The B & G Universal Pump is designed for large forced hot water heating systems in apartment buildings, office buildings, factories, schools, etc. The installation can be operated as a large single zone or divided into several zones in which circulation of the pumped water in each circuit is controlled by a B & G Motorized Valve, operated by a zone thermostat.





B & G Angle Flo-Control Valves

This valve, installed in the main, shuts off circulation to radiators when heat is not needed, permitting summer operation of a B & G Indirect Water Heater. It also helps maintain a uniform room temperature during the heating season.



B & G Motorized Valves

Thermostatically operated valves used for controlling boiler water flow through the individual circuits of zoned heating systems.



B & G Monoflo Fittings

B & G Monoflo Fittings permit the use of a *single* pipe main, instead of the conventional flow and return lines. It is installed at the junction of the radiator risers to the single main and assures the diversion of the proper amount of heated water into each radiator. Savings in space, labor and materials are obviously effected.

SEE THE B & G HANDBOOK FOR COMPLETE DESIGNING DATA

HOT WATER SYSTEMS AND SPECIALTIES

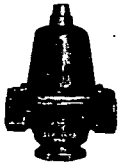


B & G Relief Valves

For relieving excess boiler pressures in hot water heating systems, and in the lines of service water systems. B & G Relief Valves have the design features which assure dependable service.

B & G Reducing Valves

Fast operating valves for keeping hot water heating systems properly filled. Easily adjusted to meet varying building heights. Also high pressure reducing valves for protection of plumbing fixtures.



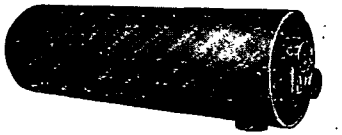


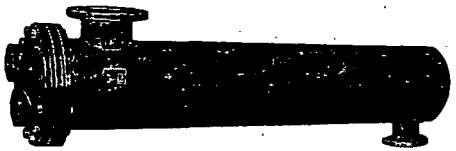
B & G Compression Tanks

Essential equipment for closed hot water heating systems. Expansion of heated water is taken up by the tank, providing a cushion of compressed air against sudden pressures and water hammer shocks. On high temperature installations, the Tank develops sufficient pressure to prevent boiling of the water in the system.

B & G Indirect Water Heaters

Any steam, vapor or hot water heating boiler can be equipped with a B & G Indirect Water Heater. With the proper electrical controls, the Heater will furnish an ample supply of hot water, *winter and summer*, at very low operating cost. Heater must be used with a storage tank of suitable capacity.





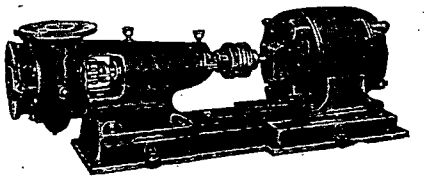
B & G Type "SU" Instantaneous Water Heaters

For heating water with steam. Ideal for industrial plants or wherever large volumes of hot water are required continuously for service water supply or process work. No storage tank required—the large heat transfer surface in these units heats water instantly as needed.

B & G Steam Convertors

Extensively used when 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, heating the water circulated through the tubing.





B & G Centrifugal Pumps

Design and construction based on years of experience in the industrial field. Rugged, compact units—built to stand up under the strain of continuous operation. Available with semi-open or enclosed impellers—motors flexible coupled or integral with pump. Send for Catalog.

Send for Your Copy of the B & G Handbook

A single authoritative source of information on the design and installation of Forced Hot Water Heating Systems and Service Water Heating Systems. Packed with data and tables of every day value. Your copy will be sent on request.

