GRINNELL COMPANY INC.

Heating, Industrial and Power Plant Piping, Fittings, Hangers, Valves, Pipe Bending, Welding, Piping Supplies, Etc.

Executive Offices: **Providence, R. I.**

Offices, Plants and Branches

ALBANY, N. Y.
ATLANTA, GA. (Plant and Foundry)
AUBURN, R. I. (Plant and Foundry)
BALTIMORE, MD.
BOSTON, MASS.
BUFFALO, N. Y.
CHARLOTTE, N. C. (Branch)
CHICAGO, ILL. (Branch)
CINCINNATI, OHIO
CLEVELAND, OHIO (Branch)
COLUMBIA, PENNA. (Plant)
COLUMBUS, OHIO
DALLAS, TEXAS (Branch)
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LONG ISLAND CITY, N. Y. (Branch)
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MINNEAPOLIS, MINN. (Branch)
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ROCHESTER, N. Y.
ST. LOUIS, MO. (Branch)
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GRINNELL COMPANY OF THE PACIFIC

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GRINNELL COMPANY OF CANADA, LTD.

MONTREAL, QUE. (Branch) VANCOUVER, B. C. (Branch) TORONTO, ONT. (Plant and Foundry) WINNIPEG, MAN.
OSHAWA, ONT. (Foundry)

PRODUCTS AND SERVICES—

Complete Service on materials to Specification on Power Plant Piping, Industrial Piping, and Industrial Heating Systems; Prefabricated Piping including Pipe Cutting and Threading, Pipe Bends, Welded Headers, Welded and Welding Fittings, Lap Joints and the Grinnell line of products for Super Power.

Grinnell Equiflo Valves for forced hot water heating systems; Grinnell Adjustable Pipe Hangers and Supports; Grinnell Cast Iron and Malleable Iron Pipe Fittings; Grinnell Malleable Iron Unions; Grinnell Welding Fittings; Grinnell Thermoliers (Unit Heaters); Grinnell Thermofin (Convectors); Thermoflex Traps and Heating Specialties.

Also Humidifying Systems; Constant Level Size Circulating Systems; Piping for acids and other special materials.

Malleable Iron, Brass, Bronze and other Castings; Brass, Cast Iron, Wrought Iron and Steel Pipe; Seamless Steel Tubing in Iron Pipe Sizes.

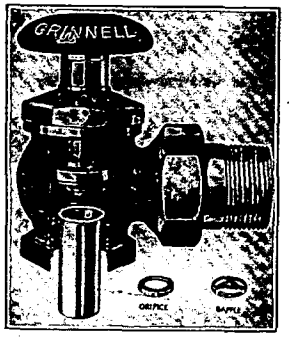
Valves: Check, Globe, Pressure Reducing and Regulating, Quick Opening, Safety and Y.

Automatic Sprinkler Systems; Stand Pipes; Underground Supply Mains; Hydrants; Fire Pumps; Pressure and Gravity Tanks.

Grinnell "Junior" Automatic Sprinkler Systems for Basements and other hazardous areas of Dwellings, Small Apartment Buildings, Schools, Churches, Stores, etc.

Grinnell Equiflo Valves

For Forced Hot Water Heating



Equiflo Valve

The designing of forced circulation hot water heating systems is so simplified by the Grinnell Equiflo Valve that they can be laid out and installed as easily as vapor or steam systems. This valve consists of a regular type packless radiator valve with a cartridge or tube made up of a series of orifices and baffles capable of setting up any required frictional resistance. This method of establishing any desired resistance does away with elaborate calculation of pipe sizes. Grinnell guarantees perfectly balanced circulation to each and every radiator where these valves are installed throughout the system.

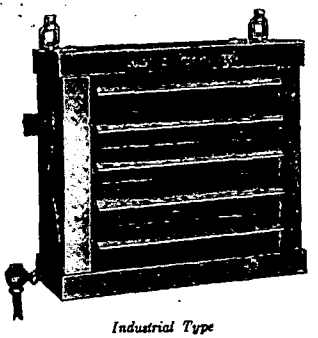
Equiflo Data Book sent to interested parties.

For Data on Thermoflex Traps and Heating Specialties, see page 1007

THERMOLIER

Patented

THE GRINNELL UNIT HEATER



Industrial Type

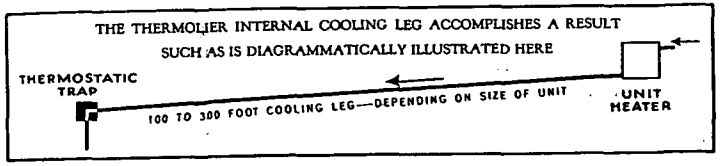
De Luxe, Industrial and Factory Types—125 Lb W.S.P.

Thermolier is a ruggedly built unit heater whose efficiency and dependability have been proved by actual performance in field service. Thousands of them are installed in industrial buildings and commercial structures of all types of occupancy.

Thermolier has 14 points of superiority, the most outstanding of which is the internal cooling leg built right into the unit, an exclusive Thermolier feature. See drawing below.

Radiation is from brass-finned seamless copper U-tubes rolled into a cast-iron tube sheet. No solder is used for strengthening joints and there are no flat horizontal surfaces to catch dirt.

Units may be controlled manually or automatically, singly or in groups. Installation and piping are extremely simple and inexpensive, hence the unit may be moved from one



location to another at small cost if found desirable on account of changes in building or occupancy. The complete line includes 22 Models in DeLuxe Type, and 30 Models each in Industrial and Factory Types.

Thermoliers provide maximum distribution of heat without objectionable drafts.

Specifications

Fan—Grinnell special of rugged construction. **Motor**—heavy duty, oversize, enclosed, moisture-proof. **Housing**—Art Metal Slate gray finish with chromium trim on DeLuxe Types. Copper on Industrial Type with rubbed lacquer finish; steel on Factory Type finished in gray duco. **Frame**—Heavy pressed steel, providing rugged support for motor and fan. **Special Features**—Adjustable swivel hanger rod couplings; louvers rigid, but easily adjustable; integral cooling leg insuring perfect drainage through one thermostatic trap for pressures up to 25 lb.

For pressures not exceeding 125 lb, a thermostatic trap of proper construction can be used and should be attached directly to the unit.

CAPACITIES

60 F Entering Air Temperature—2 lbs Steam Pressure

Model Nos.	Btu per Hour	Model Nos.	Btu per Hour	Model Nos.	Btu per Hour
20	35,000	50	90,700	90	189,200
20L	26,900	50L	67,100	90L	151,600
25	40,500	60	104,800	100	234,000
25L	30,900	60L	77,700	100L	196,000
30	47,800	65	129,500	110	259,000
30L	35,200	65L	110,100	110L	211,600
40	69,400	70	142,000	140	320,000
40L	53,300	70L	117,000	140L	271,000
45	81,200	80	164,600	180	368,000
45L	62,600	80L	139,300	180L	294,000

Data Book covering other pressures and temperatures, dimensions and complete installation information on application. Address GRINNELL COMPANY, INC., 277 West Exchange Street, Providence, R. I.