

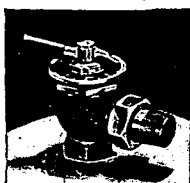
Barnes & Jones

129 Brookside Avenue, Jamaica Plain, Boston, Mass.

New York Office: 101 Park Avenue

Barnes & Jones Vapor and Vacuum Systems of Steam Heating; Modulation Valves; Packless Quick Opening Supply Valves; Metering Orifice Supply Valves; Thermostatic Radiator Traps; Thermostatic Traps for medium and high pressures; Condensators (Boiler Return Traps); Drip Traps; Heavy Duty Blast Traps; Vent Traps; Strainers; Damper Regulators; Gages; Proportionator Systems with Zone Control

Modulation Valves, Type K



With indicating dial, non-rising stem; renewable disc seat. Tail piece extra heavy to prevent breakage, extra long to facilitate connection to radiator. Furnished with either lever or wheel handle.

Size.....	1/2 In.	3/4 In.	1 In.	1 1/4 In.
Cap. Sq Ft Rad...	30	60	100	180

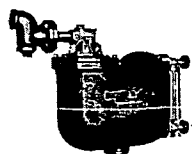


Packless Quick Opening Valves Type F

Non-rising stem renewable disc seat. Furnished with wheel handle only.

Condensators

For returning water of condensation to boiler from open return line systems independently of boiler pressure, without change in operating conditions, air binding, or admitting steam to return side. Simple in construction, but positive in operation. All working parts are of best bronze metal.

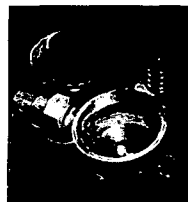


No. 38 Condensator

No.	Capacity in Sq. Ft.
31	700
32	1,600
33	3,500
34	6,000
35	10,000
36	16,000
37	32,000

Thermostatic Radiator Traps

The interchangeable control unit contains the thermostatic element, carries its own seat of special alloy and is a complete operating unit in itself. Calibrated under actual working pressure at the factory and locked in adjustment. Unit easily and quickly replaced without special tools; lift out the old unit and insert a new one. Made in low, medium, and high pressure types.



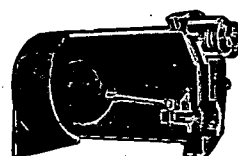
Symbol	120	12	124	134	13	14
Inlet Tapping.....	1/2"	1/2"	1/2"	3/4"	3/4"	1"
Outlet Tapping.....	1/2"	1/2"	1/2"	3/4"	3/4"	1"
Capacity, Sq Ft C. I. Rad.	200	200	400	400	700	1200

Float and Thermostatic Traps



Drip Type

For use on Unit Heaters, also drips from supply mains and risers and on returns from water heaters and indirect stacks. Float-controlled valve governs discharge of water; thermostatically-controlled valve allows passage of all air but prevents passage of steam. Made with 3/4 in., 1 in. and 1 1/4 in. tappings. Capacities 200 lb to 1200 lb of water per hour at 2 lb pressure differential.



Heavy Duty Type

Combination float and thermostatic traps with an air and water capacity large enough to take care of the condensation from the largest vento stacks, dry kiln coils, hot water heaters and other units condensing large quantities of steam at low pressures. Made in sizes from 1 in. to 2 in. Capacities to 14,000 lb of water per hour at 2 lb pressure differential.

GRINNELL COMPANY INC.

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

Executive Offices: Providence, R. I.

National Distributors of Thermoflex Traps and Heating Specialties

For data on other Grinnell Products, see pages 919-921

Thermoflex Specialties

The heart of all Thermoflex Traps is the Hydron Bellows.

The Hydron Bellows is formed under hydraulic pressure. This powerful internal pressure locates any weakness of any nature in the tubing. Such hydraulic pressure is many times more severe than any pressure the Trap will ever be called upon to control. Every Thermoflex Trap, therefore, is practically indestructible.

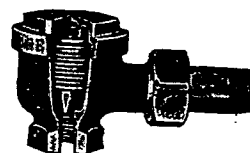
Thermoflex Traps have an exceptionally large orifice. This large orifice combined with high lift, insures fast action and freedom from clogging.

We supply Thermoflex Traps guaranteed for steam pressures up to 25 lb. and to 125 lb. Complete information and details of typical installations will be gladly sent on your request. Ask for Catalogue on Thermoflex Heating Specialties.

Valves, Traps, Gauges, Etc.

The Thermoflex line includes: Radiator Traps, Offset Traps, Blast Traps, Drip Traps, High Pressure Traps, Vent Traps, High-grade Packless Inlet Valves, and the Thermoflex Alternator, Thermoflex Compound Gauge, Thermoflex Damper Regulator.

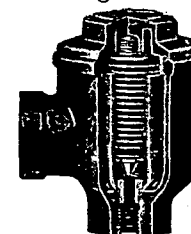
No. 12 Thermoflex Radiator Trap



The full eight-fold Thermoflex-Hydron Bellows is the best bellows ever made. Because of the Hydron-forming process every bellows is absolutely perfect. Body is heavy bronze construction throughout. Fully nickel-plated with highly polished trimmings. The No. 12 is made in angle and in corner patterns, with 1/2 in. inlet and 1/2 in. outlet tappings. The inlet neck is double thick to allow for expansion strains. Guaranteed for steam pressures up to 25 lb.

See also Pages 919-921

Thermoflex High Pressure Traps



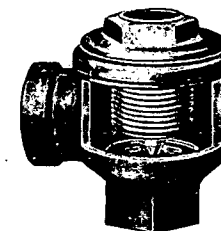
The No. 100A Thermoflex Trap is guaranteed for steam pressures from 25-125 lb. Must not be used where the steam temperature exceeds 400 °F.

For use with all types of process work, Laundry Machinery, Kitchen Equipment, Hospital Sterilizers, Vulcanizers, Dry Kilns, Unit Heaters, Street Steam Service, etc., in fact any place that a trap is desired for service at the above pressures.

Small, compact and inexpensive in comparison to the usual float or bucket trap. Extra heavy body. Renewable nickel steel seat and disc. Bellows made from special bronze tubing and encased in brass sleeve to prevent distortion due to pressure.

Regularly furnished without unions, plain nickel finish. Can be furnished with unions, polished nickel or chromium plated at extra cost.

No. 4 Thermoflex Drip Traps



Used for dripping mains, risers, coils and unit heaters. Cast-iron body, bronze cap and inserted renewable bronze seat, angle pattern only, without unions. Can be used for any general purpose where a finished, nickel-plated trap is not necessary, and at a lower cost. Guaranteed for steam pressures up to 25 lb.