

Yarnall-Waring Company

Manufacturers of

VARWAY

Steam Specialties

133 Mermaid Ave., Philadelphia 18, Pa.

VARWAY IMPULSE STEAM TRAPS

Construction—Made entirely of bar stock. Only one moving part, valve (F). For pressures to 400 lb, body, control cylinder, valve and seat are stainless steel, valve and seat heat-treated; bonnet is cold rolled steel, cadmium plated; cap is tin bronze. For 600 lb, trap is all stainless steel.

Operation—At low condensate temperatures, bypass through control chamber (K) and center orifice of valve reduces chamber pressure and valve opens. At high temperature, condensate vaporizes in (K), increased volume builds up pressure and valve closes.

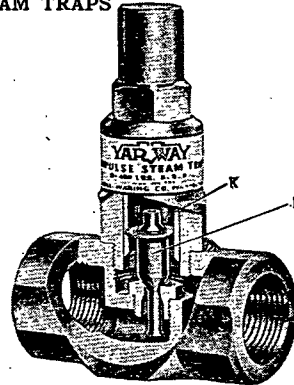
Light Weight—Need no support— $\frac{1}{2}$ in. trap weighs only 1 $\frac{1}{2}$ lb. 2 in. weighs 6 $\frac{1}{2}$ lb. Small Size— $\frac{1}{2}$ in. trap 2 $\frac{1}{2}$ in. long—2 in. trap, 4 $\frac{1}{2}$ in. long.

Will not air bind.—Require no priming. Insure quick heating.

Low Price—Often cheaper than repairing old traps.

Factory set for all pressures to 400 lb (or 600 lb) without change of valve or seat.

850,000 sold. Stocked by 200 distributors. Send for descriptive Bulletin T-1740.



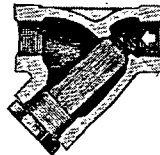
List Prices, Weights and Dimensions
No. 60 Series—to 400 lb; 120 Series—to 600 lb

Size	Complete Trap Series 60	Complete Trap Series 120	Weight Pounds	Length Inches
$\frac{1}{2}$ "	\$15	\$ 25	1 $\frac{1}{4}$	2 $\frac{3}{4}$
$\frac{3}{4}$ "	22	37	2	3
1"	31	52	2 $\frac{1}{2}$	3 $\frac{1}{2}$
1 $\frac{1}{4}$ "	48	80	4	3 $\frac{3}{4}$
1 $\frac{1}{2}$ "	68	114	5 $\frac{1}{2}$	4 $\frac{1}{2}$
2"	90	150	8 $\frac{1}{2}$	4 $\frac{3}{4}$

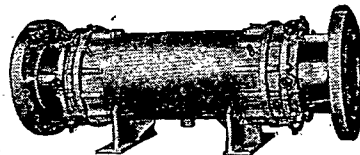
VARWAY FINE-SCREEN STRAINERS

Offer better protection against rust, scale and dirt for all steam equipment.

Ten standard sizes $\frac{1}{4}$ in. to 3 in. Cadmium plated bodies. High grade Monel woven-wire screens. Many thousands in use. Also flanged strainers, $\frac{1}{2}$ in. to 5 in. Write for Bulletin S-203.



VARWAY EXPANSION JOINTS



All-steel welded construction; light but strong. Chromium covered sliding sleeves. Cylinder guide and stuffing box integral, assuring perfect alignment. Internal limit stops. Gun-pakt and Gland-pakt types: Gun-pakt (illustrated) has fixed glands fitted with screw guns which

permit addition of plastic packing while joint is under pressure. Sizes 2 in. to 24 in., single end or double end, flanged or welding ends; 150, 300 and 400 lb pressures. Choice of leading utilities and industrial firms. Send for Bulletin EJ-1913.



WARREN WEBSTER & COMPANY

Pioneers of the Vacuum System of Steam Heating: : Since 1888

Main Office and Factory: 1731 Federal St. Camden 5, New Jersey

PRODUCTS: Webster Moderator System of Steam Heating; Webster Vapor and Vacuum Steam Heating Systems; Webster Tru-Perimeter Forced Hot Water Heating; Webster Baseboard Heating; Walvector Radiation; Webster Continuous Flow Hot Water Heating Control; Control Valves; Webster-Nesbitt Unit Heaters; Unit Heater Controls; Convactor Radiation; Radiator Valves; Thermostatic Traps; Float-and-Thermostatic Traps; Process Steam Traps; Dirt Strainers; Double Service Valves; Radiator Trap Attachments; Boiler Return Traps and Vent Traps; Lift Fittings; Expansion Joints; Vacuum Breakers; Boiler Protectors; Metering Orifices; Chain Wheel, extended stem and lock-shield key Special Handles for Radiator Valves; Check Valves; Gauges; Grease Traps; Sight Glasses; Hylo Vacuum Controllers; Pressure Difference Controllers; Time Switches; Steam and Oil Separators. Complete technical Catalogs are available on request for each product listed.

STEAM HEATING SYSTEMS

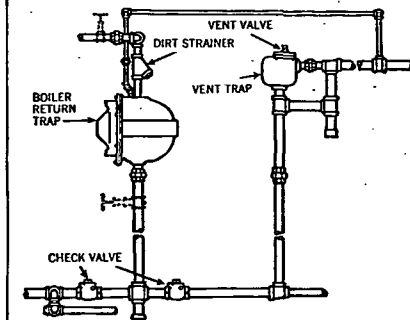
Webster Steam Heating Systems are low pressure, two-pipe systems in which steam is delivered to radiators and other heating surfaces through supply piping and water of condensation and air are removed through separate return piping. Webster Radiator Valves and Thermostatic Traps are installed respectively on the supply and discharge connection of each radiator. Webster thermostatic or float and thermostatic traps assure removal of water of condensation and air from the piping.

Available with vacuum return, or with open return (vented to the atmosphere) with either Condensation Pump or Boiler Return Trap and Vent Trap to return water to the boiler, or with Vent Trap alone where condensate is wasted to the sewer, or in appropriate small installations.

Webster Vacuum System—A conventional vacuum heating system in which the return mains are joined together and connected to the suction end of one or more vacuum pumps which remove air and water of condensation and assists circulation by maintaining a lower pressure in the return than in the supply piping.

Webster Type "R" System—A two-pipe, low pressure or vapor heating system. Water of condensation is returned to the boiler by gravity, prompt return being assured regardless of variations in boiler pressure through the operation of a Webster Boiler Return Trap and Vent Trap in combination. Equipment is available in sizes to care for systems ranging from the smallest to 16,000 sq ft EDR. Where desired, or where gravity

return is not possible, a Condensation Pump may be substituted for the Boiler Return Trap Combination.



Basement installation of Webster Boiler Return Trap and Vent Trap for Vapor Heating, Webster Type "R" System.

Webster Type "V" System—Employs only a Webster Vent Trap. For installations of 1000 sq ft EDR or less with oil burner, stoker or gas burner; with vaporstat having cut-in pressure of about $\frac{1}{4}$ lb and cut-out pressure of about $\frac{3}{4}$ lb (not pressurestat), lockswitch or protector relay and one or more key room thermostats. Vent Trap at ample height above water level. Boiler Protector, or at least a low water cut-out. Ask for Bulletin.

Webster Moderator Systems—These are all Webster Steam Heating Systems with vacuum or open return to which are added (a) accurately sized metering orifices in radiators and other heating surfaces to balance distribution and permit "partial filling" of all radiators practically simultaneously and at various