

Yarnall-Waring Company

Manufacturers of **YARWAY** Steam Specialties

7600 Queen Street, Philadelphia 18, Pa.

YARWAY IMPULSE STEAM TRAPS

Construction.—The Yarway Impulse Steam Trap is unique in that there is only one moving part, the simple valve F. This trap is made of bar stock throughout, no castings used. For pressures up to 400 lb, body and bonnet of cold rolled steel, cadmium plated; cap of tobis bronze, valve and seat of heat treated stainless steel. For pressures 400 to 600 lb, trap is all stainless steel.

Operation.—Movement of valve (F) is governed by changes in pressure in control chamber (K). At lower temperatures, condensate bypassing continuously through orifice in center of valve reduces chamber pressure below inlet pressure and valve opens, allowing free discharge of air and condensate through seat. As condensate approaches steam temperature, low chamber pressure causes vaporizing and the increased volume builds up pressure in control chamber, closing valve (F).

Advantages

Light Weight.—Yarway traps need no support— $\frac{1}{2}$ in. trap weighs only $1\frac{3}{8}$ lb. 2 in. trap weighs $8\frac{3}{8}$ lb.

Small Size.—Can be installed in cramped quarters— $\frac{1}{2}$ in. trap measures $2\frac{1}{4}$ in. long—2 in. trap, $4\frac{3}{4}$ in. long.

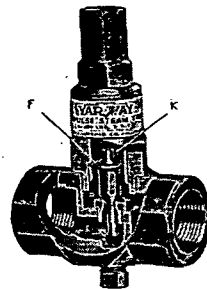
Will not air bind. Require no priming. Insure quick heating.

Operate on exclusive Impulse principle (U.S. Patents No. 2,051,732 and 2,127,649.)

Low Price.—Often cheaper than repairing old traps.

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

Send for descriptive Bulletin T-1739.



List Prices, Weights and Dimensions

No. 60 Series—up to 400 lb. and

No. 120 Series—up to 600 lb.

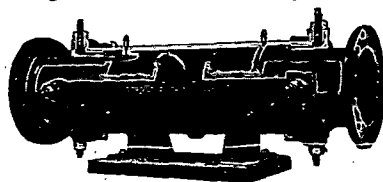
Size	Trap Complete	Weight Pounds	Length Inches
$\frac{1}{2}$ " Nos. 60 or 120	\$15.00	$1\frac{1}{4}$	$2\frac{3}{8}$
$\frac{3}{4}$ " Nos. 61 or 121	22.00	2	3
1" Nos. 63 or 123	31.00	$2\frac{1}{2}$	$3\frac{3}{8}$
$1\frac{1}{4}$ " Nos. 64 or 124	48.00	4	$3\frac{3}{8}$
$1\frac{1}{2}$ " Nos. 66 or 126	68.00	$5\frac{1}{2}$	$4\frac{1}{4}$
2" Nos. 67 or 127	90.00	$8\frac{1}{2}$	$4\frac{1}{4}$

Yarway Fine-Screen Strainers offer better protection against rust, scale and dirt for all steam equipment.

Made in six standard sizes from $\frac{1}{4}$ in. to 3 in. Cadmium plated, inside and out. High grade Monel woven-wire screens. Many thousands in use. Write for Bulletin S-201.

YARWAY 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) 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. Also all-brass joints, $\frac{1}{4}$ in. to 2 in. For additional details send for Bulletin EJ-1911.

Anderson Products INC.

Cambridge 39, Massachusetts

Vent-Rite Air and Vacuum Venting Valves for Radiators
Vent-Rite No. 66 Control Valves • Vent-Rite Unit Heater Valves

For Profitable, Efficient Venting Valve Installations ... Specify Vent-Rite

The elimination of valve trouble caused by unavoidable accumulation of dirt can immediately be effected by use of Vent-Rite Air and Vacuum Venting Valves. Every Vent-Rite Valve can be quickly and easily taken apart, cleaned, reassembled and adjusted, and restored to its original working condition.

In rare cases where a part may have become damaged, the valve may be sent to the factory for complete reconditioning. *Only Vent-Rite Valves offer these advantages.*

It is easy to obtain the correct venting rate in each radiator in a system, regardless of size or location, because every Vent-Rite Valve has an exceptionally wide and complete range of venting rates. Adjustment of the venting rate at the individual valves is easily accomplished through a streamlined, convenient adjusting device. You can be sure of Balanced Radiation ... of even, uniform distribution of heat.

Vent-Rite Air and Vacuum Valves are built for both one- and two-pipe systems in a wide range of types, sizes, outlets, and venting capacities. (The Vent-Rite Line includes Non-Vacuum Valves Nos. 1, 51, 3, 5A & 55, and Vacuum Valves Nos. 2, 62, 4, 6A & 66.)

THE VENT-VAC SYSTEM Even temperatures are provided with the Vent-Vac System by continuing the distribution of steam between firing periods. The steam is available through the use of heat left in the boiler and is distributed to the points where heat loss is greatest. To insure fast, uniform distribution of steam during the firing periods, it breaks the vacuum used between firing periods.

This breaking of the vacuum occurs at a predetermined point, within the limits of the control, before the start of every firing cycle, provided the heat transfer from boiler to radiation has been completed. Vent-Rite Vacuum Valves are used in conjunction with a Vent-Rite Control Unit. The system is simple, economical, and amazingly effective. Vent-Rite Control Units not only create vacuum in the system between firing periods, but also limit the amount of vacuum that can be created to the point beyond which the distribution of excessively expanded vapor would be inefficient.

VENT-RITE CONTROL VALVE Vent-Rite Control Valve No. 66 is the heart of the Vent-Vac System of steam control for automatically fired one-pipe systems. It takes the place of a main line vent, limits the amount of vacuum created, and breaks the vacuum at a pre-determined point, within the limits of the control, before the start of every firing cycle, provided the heat transfer from boiler to radiation has been completed. It is entirely mechanical. With the Vent-Vac System, using a No. 66 Control Valve, a system is vacuum between firing periods, non-vacuum during the firing, combining the best of both systems and assuring *Balanced Radiation* ... assuring even distribution of heat to give more comfortable rooms for better living: Send for Bulletins.



No. 2



REPAIRABLE

All Vent-Rite Valves are Repairable



No. 66

Vent-Rite Pioneered

- CONTROLLED VENTING
- BALANCED RADIATION
- REPAIRABLE VALVES
- VENT-VAC SYSTEM