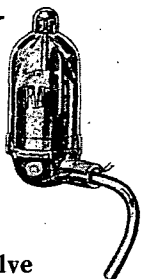


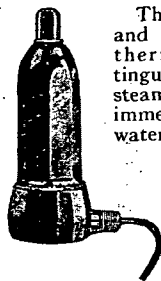
MARSH AIR VENTS

Marval Syphon Automatic Air Valve

This is a popular priced dependable, all-metal, factory adjusted valve. Will vent air rapidly, closes for steam and shuts off to water. Furnished in $\frac{1}{8}$ in. angle and straight shank in $\frac{1}{8}$, $\frac{1}{4}$ and $\frac{3}{4}$ in. sizes.

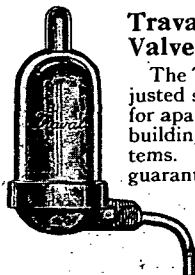


No. 1 Syphon Air Valve



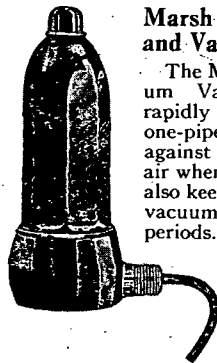
This valve assures positive and noiseless venting. The thermostatic action distinguishes instantly between steam and heated air. It closes immediately to steam and water. It is especially adapted to cast-iron radiation and is suitable for copper radiation. Furnished in angle and straight shank types, $\frac{1}{8}$ in. and also straight shank in $\frac{1}{4}$ and $\frac{3}{4}$ in.

Travall Syphon Air Valve



The Travall is a factory adjusted syphon valve designed for apartment and residential buildings with gravity systems. A low priced valve guaranteed to function satisfactorily. Supplied in $\frac{1}{8}$ in. angle type and $\frac{1}{8}$ and $\frac{1}{4}$ in. straight shank.

Marsh System Unit Air and Vacuum Valve

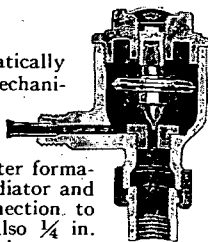


The Marsh Air and Vacuum Valve functions to rapidly eliminate air from one-pipe systems and seal against further intrusion of air when pressure drops. It also keeps the system under vacuum during heating-up periods. This permits steam to circulate under low pressures or vacuum, the radiators retaining heat for a much longer period. It combines thermostatic, flotation and vacuum operation in one operative part. It is fully guaranteed. Made in $\frac{1}{8}$ in. angle pattern, $\frac{1}{8}$, $\frac{1}{4}$ and $\frac{3}{4}$ in. straight pattern.

No. 3 Air Line Valve

Operates automatically with or without mechanical suction. Passes all air, closes instantly to steam.

No pockets for water formation. $\frac{1}{8}$ in. to radiator and $\frac{1}{4}$ in. union connection to return air line. Also $\frac{1}{4}$ in. x $\frac{3}{8}$ in. and $\frac{3}{8}$ x $\frac{3}{8}$ in.

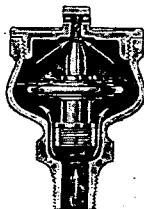


No. 5 Rapid Vent



For installation at ends of steam mains, return mains, tops of risers where large volumes of air require rapid venting without escape of steam or water. Also operates to close on vacuum and to prevent re-entry of air. On vapor systems this vent is placed at ends of steam mains. Operates up to 10 lbs. pressure. $\frac{1}{8}$ and $\frac{1}{4}$ in. connections.

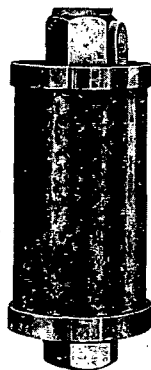
No. 6 Quick Vent



Made without float, does not close against water. Cannot blow shut on air pack. Vents at the slightest pressure. Has large air port. Factory tested for 10 lbs. pressure. Shipped without vacuum top unless otherwise specified. $\frac{1}{4}$ or $\frac{3}{8}$ in. male bottom connection.

No. 7 Air Eliminator

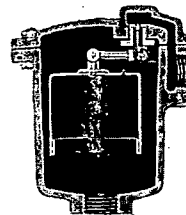
Designed for return main use. Vents all the air at any temperature. Has vacuum top. Assures free and unlimited vent of all air, hot or cold. Cannot water-log does not spit or leak water. Closes instantly to steam or vapor. Adjusted and tested at factory to work automatically from below atmosphere to 10 lbs. steam pressure. Made in $\frac{3}{4}$ or 1 in. connection.



MARSH MEDIUM PRESSURE STEAM TRAPS

No. 500 Steam Trap, Inverted Bucket Type

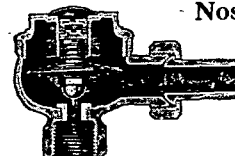
Ideal for use on equipment handling large volume of condensate up to 125 lbs. pressure. Self-venting, combined with large water capacity gives unusually high efficiency. Simple in construction and operation.



Capacities in Pounds per Hour at Various Pressure Differentials

Size Inlet and Outlet	5 lb.	10 lb.	25 lb.	50 lb.	75 lb.	100 lb.	125 lb.
$\frac{1}{2}$ in.	800	1125	1000	670	530	425	400
$\frac{3}{4}$ in.	2800	4200	4000	3000	2500	2000	1450
1 in.	6000	11000	8700	6200	5700	4000	3800

To convert above capacities to square feet of equivalent direct radiation each trap will handle per hour, multiply capacities given in table by three. To convert these capacities to lineal feet of 1 in. pipe multiply by nine.

Thermostatic Steam Traps
Nos. 501 and 502

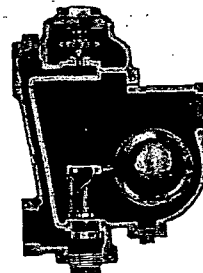
Used to discharge air and condensate from heating coils and apparatus working at pressure from 15 to 100 lbs. Body of heavy cast-brass with union nut and tail piece. Nos. 501 and 502 standard in angle pattern only. Other patterns on order.

Nos. 501 and 502 Thermostatic Steam Traps

No.	Size, In.	Capacities, pounds condensation per hour at given pressure differential			
		35 lb.	50 lb.	80 lb.	100 lb.
501	$\frac{1}{2}$	90	110	115	130
502	$\frac{1}{4}$	140	160	200	260
502	$\frac{3}{4}$	300	450	490	580
502	1	700	925	1100	1260

No. 508 Steam Trap

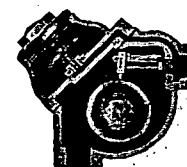
Similar in design to No. 8 trap previously described but constructed for working pressures from 25 to 60 lbs. Specify highest working pressure.

No. 508 Float and Thermostatic Medium Pressure Trap— $\frac{1}{4}$ -in. Inlet and Outlet

Pressure differential	40 lb.	60 lb.
Capacities—pounds condensation per hour	690	827

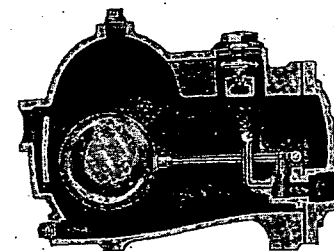
No. 512 Steam Trap

Similar in design to No. 12 trap previously described but constructed for working pressures from 30 to 100 lbs. Specify highest working pressure.

No. 512 Float and Thermostatic Medium Pressure Trap— $\frac{1}{4}$ -in. Inlet and Outlet

Pressure differential	30 lb.	50 lb.	75 lb.	100 lb.
Capacities—pounds condensation per hour	600	425	360	400

No. 514 Steam Trap



No. 514 Steam Trap

Size Inlet and Outlet	30 lb.	80 lb.
1 in.	4750	3860
$1\frac{1}{4}$ in.	7600	6800
$1\frac{1}{2}$ in.	11450	9700
2 in.	13500	12240
Size Inlet and Outlet	100 lb.	125 lb.
1 in.	2460	1380
$1\frac{1}{4}$ in.	5275	3260
$1\frac{1}{2}$ in.	7490	5400
2 in.	9230	8140