



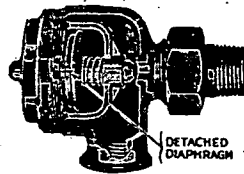
Monash-Younger Co., Inc.

ESTABLISHED 1900

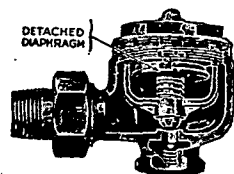
CHICAGO

NEW YORK

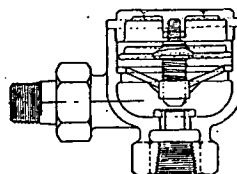
MONASH THERMOSTATIC RETURN LINE TRAPS



No. 35-A- $\frac{1}{2}$ in.



No. 35-B- $\frac{1}{2}$ in.



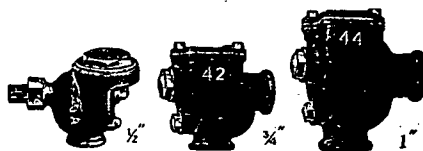
No. 36-B- $\frac{3}{4}$ in.

The distinctive feature of the MONASH Thermostatic Line of Traps, is the *Diaphragm*, a separate and independent unit, so constructed and so held in place that friction and strain on the *Diaphragm* is reduced to a minimum: overcoming the hazard of fracture and rupture of the *Diaphragm*.

The No. 35-A has a vertical seat with the *Diaphragm* out of the Steam Chamber, while the No. 35-B is built with a horizontal seat and the *Diaphragm* in the Steam Chamber. These Traps are $\frac{1}{2}$ in. pipe size, capacity 200 sq. ft., 65 lb. of water per hour.

MONASH No. 36-B- $\frac{3}{4}$ in. Radiator Trap is built with the *Diaphragm* in the steam chamber, body of close-grained, gray iron, nickel plated; brass coupling, nut, nipple and cover nickel plated; capacity 500 sq. ft., 160 lb. water per hour.

Monash Thermostatic Heavy Duty or Drip Traps



MONASH thermostatic special heavy duty or drip traps are made with dirt-pocket, clean-out and by-pass. Vertical seat and diaphragm outside the steam chamber. Especially suitable for blast coils, dry kiln coils, main drips, dryers, laundry machinery and all points where large quantities of condensation is to be handled.

No.	40	42	44
Size, inches	$\frac{1}{4}$	$\frac{3}{4}$	1
Sq. Ft. of Radiation	350	1500	5000
Water per Hour, pounds	108	475	1560
Net Weight, pounds	3.25	5.00	7.50

Monash Guaranteed Automatic Air Valves



No. 1

MONASH No. 1, all metal, non-adjustable automatic air valve in which the base and nipple are in one casting—no soldered or sweated joints to come apart.

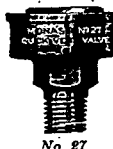
Specify MONASH Valve holder with valve.

MONASH No. 6, four-way-drain, lock-shield, automatic air valve with all working parts above opening to radiator. Self-cleaning; no flooding of floors and other damage.



No. 6

Monash Quick Venting Valves



No. 27

For mains and risers the MONASH No. 27 thermostatic quick venting valve is desirable. Has heavy brass body and cover, phosphor bronze thermostatic diaphragm.

Operates automatically at all pressures up to 10 lb. Insures rapid steam circulation. Closes against steam, but does not close against water. Connections are $\frac{3}{8}$ in., 1 lb. net weight.

Monash Thermostatic Air Line Valves

for drip or air line systems; also for venting vent stacks and blast coils.

Is rapid in action and positive in results, passing all air but closing tightly against steam.

Made of brass, white plated; the No. 2 is $\frac{1}{2}$ x $\frac{1}{4}$ in., the No. 3 is $\frac{1}{4}$ x $\frac{1}{4}$ in. 1 lb. net weight.



No. 2



O-E Specialty Mfg. Co.

5-7-9 Keefe Ave., MILWAUKEE, WIS.

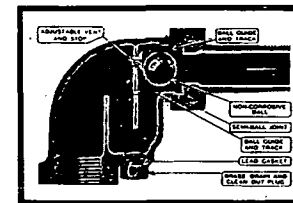
Packless Graduated Valves, Ball-Check Return Elbows, Thermo-Nickel Return Traps, Air Exhausters, Vacuum Valves, Vacuum Pressure Gages, Differential Return Traps and Balanced Swing Check Valves.



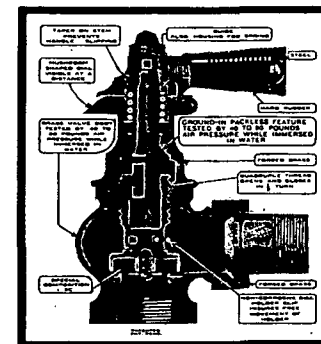
The operation of the "O-E" Perfect Vapor Vacuum-Pressure System is very simple: vapor generated at boiler passes up through main supply pipe and is admitted to radiator at top through the "O-E" Packless Graduated Valve. Water of condensation is returned to boiler through a $\frac{1}{2}$ -in. "O-E" Elbow. In passing through the Elbow the water is first trapped by means of a wall or diaphragm cast in the Elbow, outside of the radiator, making a water seal which holds the vapor in radiator and prevents it from short circuit-

ing into the return main. Should the Supply Valve of radiator be closed and condensation form a vacuum any water that might be in the return pipes is prevented from returning to radiator by the "O-E" Patent Elbow, which is equipped with a small brass ball operating on a smooth guide or track, and so arranged that when a vacuum takes place in radiator ball will immediately roll against port and close it. Elbow is noiseless in operation, as water seal is below ball, which is an important feature. As soon as Supply Valve is again opened ball rolls off of seat allowing condensation and air to pass easily and freely into return main.

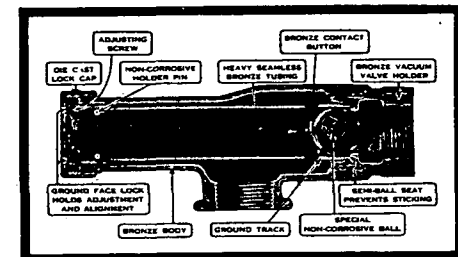
An air vent is tapped in the slot of the screw stop in the return elbow which not only allows air to escape freely into return system when Supply Valve is open, but also equalizes the pressure on both sides of Water Seal, thus preventing it from syphoning out, which it might otherwise do. All air and condensation pass through main return pipe in basement to a point above boiler where air is separated from water by means of "O-E" Patent Air Exhauster and Vacuum Valve.



The "O-E" Perfect Ball-Check Water Seal Union Elbow with Adjustable Air Vent is made in two sizes, $\frac{1}{2}$ -in. Capacity 250 sq. ft. $\frac{3}{4}$ -in. Capacity 500 sq. ft.



The "O-E" Improved Perfect Packless Graduated Valve is absolutely packless and never requires packing. It is tested by air and water test before shipment. It is quick opening, little more than one-half turn fully opens or closes it. Sand blasted and nickel plated. The handle being made of hard rubber, will not crack and is always cool and easy to operate. The graduated dial and pointer admit of partial opening so that just the amount of heat desired can be obtained. All valves are fitted with composition disc on a swivel seat without extra charge. Graduated Supply Disc will be attached when specified, at slight additional cost.



The "O-E" Improved Air Exhauster and Vacuum Valve is simple and very sensitive, operating as follows:

Being connected at a high point above where the return main enters boiler, all air in the system seeks outlet at the Air Exhauster, which is open when there is any air in the system, and as soon as all air is exhausted and heat comes in contact with the Carbon Post in Exhauster, same expands and forces the Special Bronze Ball against the seat, closing the port. When closed system will cool slightly causing a vacuum which will hold ball on seat. As soon as vacuum is lost ball will roll away from seat and permit air to escape freely and quickly. The Improved cap locks the expansion post after it is properly adjusted and also holds post in a rigid horizontal position. All Exhausters are set for ordinary use, but can be adjusted to suit any particular system to which they are attached. All Exhausters are threaded for 1-in. I. P. both inlet and outlet. Made in one size only, 1 in. x 1 in. Capacity 2,000 sq. ft.

We also announce the Thermo-Nickel Return Trap, a combination thermostatic trap with a ball-check and many new features. Ask for descriptive bulletin.