

Monash-Younger Co.

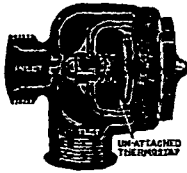
Chicago



New York

Thermostatic Return Line Traps, Adjustable and Non-Adjustable Automatic Air Valves for Radiators, Packless Radiator Supply Valves

Monash Ten Year Guaranteed Return Line Traps



has been nil, and the performance efficiency one hundred per cent. This record speaks for itself.

Monash Thermo Return Line Traps Made With By-pass and Clean-out Feature. Guaranteed For Ten Years On Pressures Up To 25 Pounds. For Mains, Risers, Drips, Blast Coils and in Industrial Plants. Many Thousands in Use the Past Fifteen Years.

No.	Size	Sq. Ft. Radiation	Lbs. Water Per Hr.
40	1/2 in.	350	108
42	3/4 in.	1500	475
44	1 in.	5000	1560

Monash No. 6 Four-Way-Drain Adjustable Lock-Shield, Self-Cleaning Automatic Steam Air Valve



has given excellent results for more than twenty years. Guaranteed for ten years in writing. The Four-Way-Drain clears the valve of all sediment and water of condensation by capillary attraction preventing flooding of floors and other damage. *How to Specify*—To each radiator attach a Monash No. 6 Four-Way-Drain, Lock-shield, Self-Cleaning, Automatic Air Valve, guaranteed in writing for ten years, and on Mains and Risers, use Monash Thermo No. 27 Quick Venting Valve."

Monash Non-Adjustable No. 1 Automatic Air Valve



with removable syphon, permitting the valve to be cleaned and the syphon replaced. Sensitive and quick in action, made of heavy metal with base and nipple cast in one piece and the body of the heavy shell screwed into the base. Guaranteed in the hands of the users for five years.

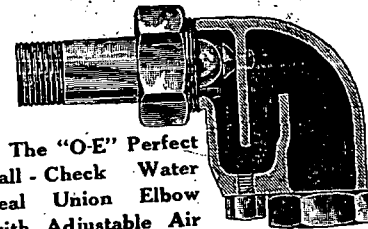
O-E Specialty Mfg. Co.

880 Third Street

Milwaukee, Wis.

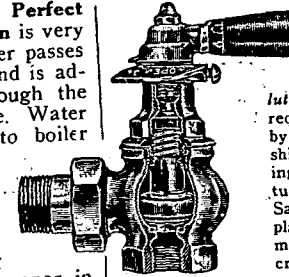
Packless Graduated Valves, Ball-Check Return Elbows, Thermo-Nickel Return Traps, Air Exhausters, Vacuum Valves, Vacuum Pressure Gages, Differential Return Traps.

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 1/2-inch "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 circuiting 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.



The "O-E" Perfect Ball-Check Water Seal Union Elbow with Adjustable Air

Vent is made in one size only, 1/2", each \$3.00, Capacity 250 square feet.

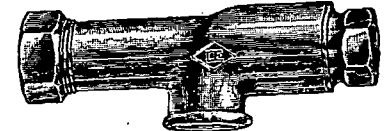


The "O-E" Improved Perfect Packless Graduated Valve is absolutely packless and never requires packing. It is tested by air and water test before shipment. It is quick opening, little more than one-half turn fully opens or closes it. Sand blasted and nickel plated. The handle being made of hard rubber, 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 discs on a swivel seat without extra charge. Graduation Supply Disc will be attached when specified, at slight additional cost.

Standard Sizes

	List, Each	\$4.25
1/2"	"	5.00
3/4"	"	6.00
1"	"	7.50
1 1/2"	"	



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-inch I. P. both inlet and outlet. Made in one size only, 1 inch, each \$10.00. Capacity 2500 square feet.

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