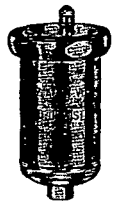
Maid-O'-Mist

3217 No. Pulaski Road
Chicago 41, Ill.
Manufacturers of
Heating and Air
Conditioning Specialties

Products: Automatic air valves for (hydronic) hot water heating and cooling systems; automatic humidifiers for steam or hot water; automatic humidifiers for warm air furnaces; water line float control valves; liquid gas and air strainers.

NO. 7 SERIES AUTO-VENT®

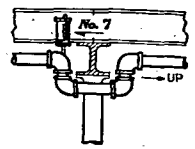
Air Eliminators



No. 7 Auto-Vent

Maid-O'-Mist Auto-Vents permit automatic venting of the air which causes circulation trouble in heating and cooling systems. More and more, contractors who value satisfied customers are installing these trouble stoppers.

No. 7 Auto-Vent: For mains, pipe lines, unit heaters, chillers, convectors, coils, etc. Designed for vertical mounting only. Size 4⅝ in. x 2¼ in. with ⅛ in. IP female connection. Made of brass and equipped with a self-closing, float operated valve. All working parts, including valve and copper float, mounted on a removable bonnet for quick servicing or replacement. Valve is equipped with a Monel metal spring and a Neoprene valve seat which is unaffected by high temperatures, oil, antifreeze, etc. For pressure not exceeding 75 lb.



Venting trapped mains and circulating lines

No. 71 Auto-Vent. Same as No. 7 Auto-Vent but with ¼ in. IPT male connection. For pressure not exceeding 150 lbs.

No. 74 Auto-Vent. Same as No. 7 Auto-Vent but with ¼ in. IPT female connection. For pressure not exceeding 150 lbs.

No. 78 Auto-Vent. Same as No. 7 Auto-Vent but with ⅛ in. IPT male connection. For pressure not exceeding 75 lbs.

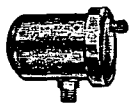
No. 77 Auto-Vent. Identical to No. 7 Auto-Vent, except for an additional ⅛ in., IP side opening to permit its use on overhead pipe lines, coils, etc., where head room is factor. Ideally suited for Diesel engine and cooling manifold use, where vibration demands secure mounting. No air chamber required.

Auxiliary Equipment: No. 7X—Complete bonnet assembly; No. 777—self-closing valve core; No. 7A—connector for safe waste.



No. 27 Auto-Vent For Horizontal Mounting Only with ⅛ in. IP female side connection—Size 3 in. x 2½ in.

No. 27 and 37 Auto-Vent® Air Eliminators



No. 37 Auto-Vent For Horizontal Mounting Only with ⅛ in. IP vertical male bottom connection—Size 3 in. x 2½ in.

For combination heating & cooling convectors; baseboard radiation; fan coil, units; high points of overhead Mains; Radiant Panels; small Unit Heaters. Construction and internal working parts are same as in No. 7 Auto-Vent. Made of non-ferrous metals and designed for pressure not over 50 lb. No air chamber required. Auxiliary Equipment: No. 27X—bonnet assembly for Nos. 27 and 37; No. 7A—connector for safe waste. No. 666 valve core.



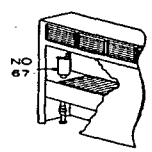
No. 67 Auto-Vent

No. 67 and 68 Auto-Vent® Air Eliminators

For convectors and baseboard radiators. Designed for vertical mounting only. Size 3⅜₁₆ in. x 1½ in. with a ⅛ in. IP male connection for No. 67 and ¼ in. IP connection for No. 68. Designed for limited space, small, self-closing, float operated valve may be installed in trouble spots previously neglected or improperly vented. Valve is equipped with a Monel metal spring and Neoprene valve seat, which is unaffected by high temperature, oil, etc. No air chamber required. For pressures up to 35 lbs.

Where a Safe Waste is needed, specify No. 7A connector fitting.

Write for price sheet and descriptive literature.



For venting convector radiators

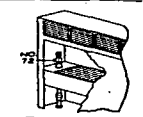


No. 72 Auto-Vent

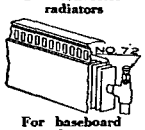
No. 72 Auto-Vent®

For convectors, baseboard and free-standing radiation. Designed for both vertical and horizontal mounting. Size 1¼ in. x ½ in. with ⅛ in. IP male connection. No. 72 Auto-Vent is a fast venting self flushing valve of the expansion type. All expansion and contraction of the single, non-porous, composition disk is confined to four port vents. Internal siphon tube prevents waterlogging when installed in either vertcial or horizontal position. Immediate drainage means fast disk drying, quick venting cycle which is continuous and no air chamber is needed.

Manual venting features plus tight shut off are all controlled by valve cap adjustment. Valve cap is tamper-proof and can be removed and replaced without damage or special tools for cleaning or flushing, if needed.



For convector radiators



For baseboard radiation



No. 14



No. 15

No. 14 for copper and bronze tees. Nominal pipe sizes ⅜ in., ½ in., ¾ in., 1 in., 1¼ in.,
No. 15 for tees. Sizes ½ in., ¾ in., 1 in., 1¼ in., 1½ in.

No. 14, No. 15 and No. 16 Balancing Valve Adapter Units for Hot Water Heating and Cooling Systems

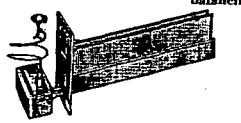
Maid-O'-Mist Valve Adapter Units make any copper, bronze, or cast brass or iron tee a balancing valve. These units, quickly soldered or sweat fitted into copper, brass, and bronze tees or threaded into cast iron tees, regulate hot water flow through radiators, convectors, baseboard panels, radiant coils, return mains, and branches. Can be inserted in side outlet or run off tee of same pipe-size to complete either a straightway or angle balancing valve. Full, free flow of water through the tee is possible. Since there is no inside reduction of pipe diameter, there is no water restriction except for the balancing required. This permits the use of additional balancing in a heating or cooling system without preliminary planning. Precision made of nonferrous metals. Simple balancing requires only a screw driver.



No. 16 unit for ¾ in. and 1 in. cast brass tees to complete angle balancing valves.

CONVECTOR HUMIDIFIER

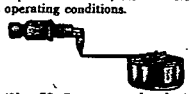
Maid-O'-Mist Convector Humidifier for all types of warm air furnaces has no flat bottom to block the flow of warm air. Their individual ⅜ in. copper water troughs are spaced 1 in. apart to allow unrestricted air flow between the evaporator pads. Maid-O'-Mist Convector Humidifiers are also designed for use with radiators and cabinet convectors in hot water or steam heating systems.



2 Trough Convector Humidifier, also available in 1 and 4 trough sizes

No. 50 SERIES FLOAT CONTROL VALVES

The No. 50 Series Float Control Valves are precision designed to fill requirements for humidifying units, pan fillers, air conditioning equipment, evaporative coolers, air washers and other applications where dependable water level control is essential in limited space to meet various operating conditions.



(No. 51 float control valve)



(No. 52 float control valve)

***No. 51 Float Control Valve.** Only 5⅝ in. long overall, including copper float which is 2½ in. diameter by 1¼ in. deep. Valve body is made of hex-brass rod with removable, raised, hard nylon valve seat. Valve stem is brass with an incased heat and oil resistant, special Neoprene washer. Valve seat is protected with a 100 mesh Monel Metal screen. Valve body is fitted with two ¼ in. IP locknuts for horizontal mounting securely in 9/16 in. hole—or valve may be screwed directly into tapped opening. Supply is equipped with union coupling for ¼ in. OD copper tubing. Working pressures up to 85 lb with capacity of ½ gal per minute at 50 lb pressure.

***No. 52 High-Duty Float Control Valve.** Same general construction as No. 51 but designed for use where a larger volume of water is required. Capacity 1 gal per minute at 50 lb pressure, with working pressures to 125 lb. Overall length 8 in. with oversized float 1½ in. diameter by 4⅛ in. long.

* **No. 53Y High Duty Float Control Valve.** Same general construction as No. 52 except valve is vertically mounted with special bracket as integral part for mounting on reservoir or pan, well above water line. Only 6½ in. long. Non-back-siphoning when installed according to instructions.

No. 54 Float Control Valve. Same general construction as No. 59 Valve except designed for use where a larger volume of water is required. Capacity 1 gal per minute at 50 lb pressure. Overall length 5 in.

* **No. 59 Float Control Valve.** Same general construction as No. 51 valve, except valve is vertically mounted with special bracket as integral part for mounting on reservoir or pan, well above water line. Non-back-siphoning when installed according to instructions. Only 5 in. long.
* NOTE: Nos. 51, 52, 53Y, 54 and 59 can be furnished with a ⅜ in. IP male connection at additional cost, when specified on order.

Series 6900—Water Line Float Control Diaphragm Valves. The No. 6900 Series float control valves are heavy duty large capacity water level controls. Rugged, strong and precision made, the cast brass body is fitted with a removable chromium valve seat. Controlled water level is accomplished through the action of the oversized copper float, linkage and special Neoprene diaphragm. Valve can be furnished to discharge water in an upward or downward position as specified. Can also be furnished with 8 in., 12 in., and 16 in. length float arm. Inlet and outlet tapping ⅜ in. IP. Capacities from 1¼ gal to 6 gal per min. The No. 6927 Brass Mounting Plate (3 in. diameter) with gasket and screws is used where special mounting of the No. 6900 Series Valves is necessary. Write for prices and descriptive literature.