

Location: _____



MI-100

ENCLOSED ELECTRONIC TRAP SEAL PRIMER

Specification: The MI-100 is engineered for equal distribution of water to all ports. It's the perfect solution to keep sewer gas from entering the building from seldom used floor drains. The MI-100 can be located anywhere in the water supply and is engineered to permit the building owner to adjust the frequency and amount of water delivery through a timer and stainless steel solenoid valve. A manifold ensures that a minimum of 2 ounces of water are delivered to every port over a twenty-four hour period. The unit must be mounted 12" above the finished floor for every 20' of water supply line. The MI-100 can be installed with a cabinet cover. The system is capable of priming from 1 to 30 floor drain traps. The MI-100 is practical to serve many floor drain traps in infrequently used buildings such as convention centers and sports facilities. The MI-100 is made of lead free materials that touch water.

Function: Used in areas that require frequent and automatic distribution of water into floor drain traps to maintain the water seal. This will prevent sewer gas from entering the area through the floor drains. A minimum of two ounces of water are supplied per opening at 20 PSIG once in every 24 hour period.

MI-100-5 ILLUSTRATED

24VDC, 120VAC OR 220VAC CONTROL UNIT WITH 24 HOUR TIMER WITH RELAY

3/4" COPPER WATER SUPPLY

3/4" CONDUIT FITTING

BEECO VACUUM BREAKER, LEAD FREE

ALL ELBOWS AND PIPING ARE LOW LEAD COPPER

MOUNTING HOLES TO RECEIVE CABINET COVER

ELECTRONIC STAINLESS STEEL SLOW CLOSING SOLENOID VALVE

16 GAUGE POWDER EPOXY COATED (WHITE) STEEL CABINET. FOR CABINET COVER THAT BOLTS TO CABINET FRAME, ADD SUFFIX -AD

CONNECT EITHER 3/8" COPPER TUBE (-500) OR 1/2" COPPER TUBE (-625) WATER SUPPLY LINES TO THE MANIFOLD COMPRESSION CONNECTIONS (DEPENDING ON WHETHER THE -500 (3/8") OR -625 (1/2") MANIFOLD CONNECTIONS ARE CHOSEN. EACH UNUSED CONNECTION PORTS OF THE MANIFOLD SHOULD BE CAPPED OFF WITH MI-100-PLUG

3/4" LOW LEAD BRASS BALL VALVE

TEST BUTTON

13 9/16"

BOX DEPTH 3 1/2"

LOW LEAD COPPER MANIFOLD. AVAILABLE IN 5, 10, 15, 20, 25 OR 30 PORT CONFIGURATIONS

1-10 Outlets = 16 1/8"
11-20 Outlets = 25 1/2"
21-30 Outlets = 34 7/8"

LEAD FREE
UPC

"The newly designed MI-100 with all brass and metal manifold construction has been a big improvement on the overall quality and performance of this electric trap primer. It has been a great improvement for the commercial environments we install and design in."
- Gary Risse, Project Engineer, Intech Mechanical, Roseville, CA

Note: All of MIFAB's electronic trap seal primers ordered with the 24VDC power option are equipped with a 120VAC plug adapter. The 120VAC plug adapter is designed to plug into a standard 120VAC three prong outlet. The plug adapter converts the voltage from 120VAC to 24VDC. The electronic trap seal primer internal components operate on the 24VDC supplied by the plug adapter. 24VAC direct connect electrical supply is also available, Specify Suffix -24VAC. No add.

M-100		
MODEL NO.	DESCRIPTION	SHIPPING WT.
MI-100-5	1-5 opening ports with cabinet	25 lbs.
MI-100-10	6-10 opening ports with cabinet	26 lbs.
MI-100-15	11-15 opening ports with cabinet	27 lbs.
MI-100-20	16-20 opening ports with cabinet	28 lbs.
MI-100-25	21-25 opening ports with cabinet	35 lbs.
MI-100-30	26-30 opening ports with cabinet	36 lbs.

The MI-100 Series of electronic trap seal primers are tested and third party listed to the A.S.S.E. 1044 Standard and CSA B125.3.

Specify Suffix - LM for MI-100 without the copper manifold for single drain line use. (1/2" F.I.P. connection) and **See current TSP price book.**

24VAC direct connect electrical supply is also available, Specify Suffix -24VAC. No Add.

SUFFIX	OPTIONAL VARIATIONS
-3P	120VAC 3 Prong plug
-A	Allen key lock for access door (door is separate)
-AD	Cabinet Cover (bolted to cabinet frame and non hinged) (16 gauge powder epoxy coated steel white)
-ADSS	Stainless Steel (Type 304) Cabinet Cover (bolted to cabinet frame and non hinged) (16 gauge fabricated stainless steel (Type 304)
-BA	Buy American Act compliant product
-C	Cylinder key lock for access door (door is separate)
-DW	Drywall bead frame for access door (5" cabinet depth) (door is separate)
-PL	Paddle latch for access door (door is separate)
-SS	Stainless Steel (Type 304) Cabinet (16 gauge fabricated stainless steel (Type 304) (MI-100)
-MFRU	Uninsulated fire rated access door, flush mount (6" minimum overall depth) (door is separate)

-UA	Access door, prime coated (5" minimum overall depth)
-UASS	Access door, stainless steel (5" minimum overall depth)
-24VAC	24VAC
-24VDC	24VDC
-120VAC	120VAC
-220VAC	220VAC
-500	3/8" copper tube connection ports
-625	1/2" copper tube connection ports

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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MI-100

**ENCLOSED ELECTRONIC TRAP
SEAL PRIMER**

TRAP SEAL PRIMER TROUBLESHOOTING

Following are some things to trouble shoot when it comes to our M-500-NPB Series of Trap Seal Primers (M1-500-NPB, M2-500-NPB, MR-500-NPB).

1) What is the line pressure for the Installation?

The M-500-NPB Series will work in 35-80psi.

2) How far away is the trap seal primer from the source of the pressure drop?

Anything farther away than 20 feet is an issue, as the farther the primer is away from the source of the pressure drop, the less likely it will sense it and work.

3) What is the pressure drop where the primer is?

MIFAB's M-500-NPB Series of primers will work with as little as 3 psi in pressure drop. With today's low flow and consumption faucets, there is less pressure drop being created when the faucets and toilets are used.

4) Water hammer arrestors on the line can also affect pressure drop in the line.

It would be best to get a pressure reading where the trap primer is installed. The M-500-NPB series needs a fast, sharp pressure drop to activate. The long pipe run to the trap primer and the water hammer arrestor may not be allowing the trap primer to function properly.

5) Look at the gauge fluctuation

Is it a quick and sharp pressure drop? Or did it gradually drop? The trap primers need a quick pressure drop to activate. A slow gradual pressure drop may not be enough to activate the M-500-NPB. That is why we state that they should be as close to the pressure drop source as possible. The M1-500 has the most buoyant cartridge and should perform the best. If the trap primer looked good and was filled with water then it is the rate of the pressure drop that is causing the issue.

**Also refer to the copy in the Trap Seal Primer section in
the current MPB List Price book.**

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