Location:

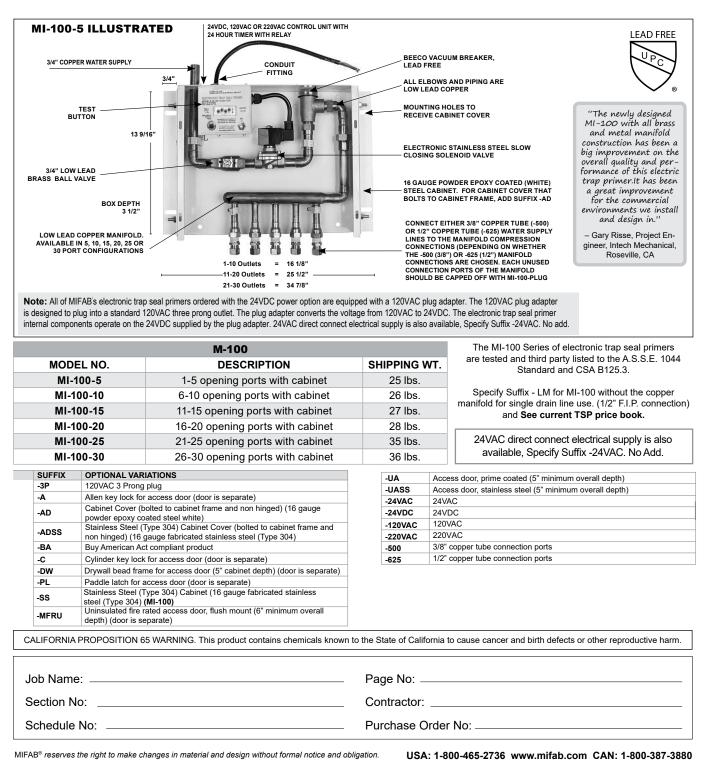


#### ENCLOSED ELECTRONIC TRAP SEAL PRIMER

**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.

**MI-100** 

**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.



2023-10-07



# TRAP SEAL PRIMER TROUBLESHOOTING

**MI-100** 

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.

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.	
Job Name:	Page No:
Section No:	Contractor:
Schedule No:	Purchase Order No:
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