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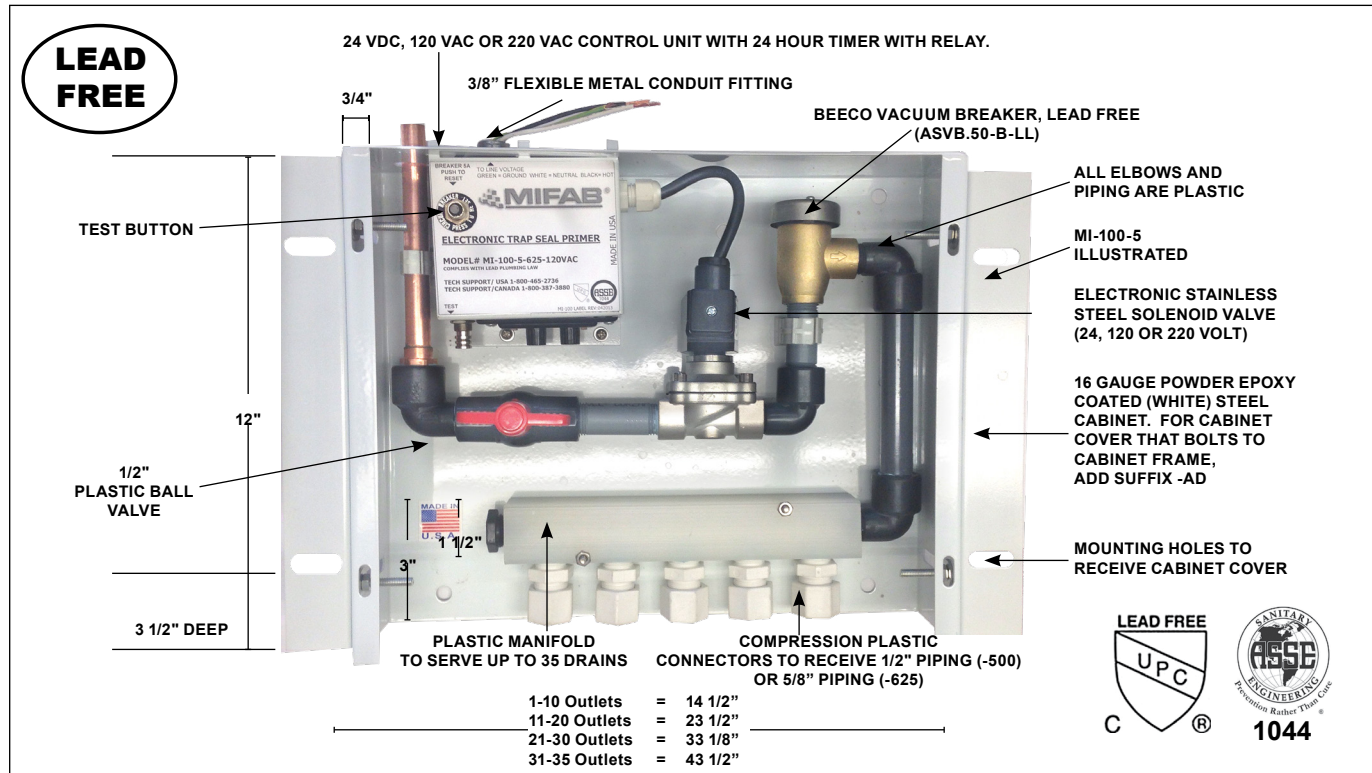


**MI-100**

## ENCLOSED ELECTRONIC TRAP SEAL PRIMER SYSTEM

**Specification:** MIFAB® Series MI-100\* (\*specify 5 to 35 outlet ports) enclosed electronic trap seal primer system with timer, 1/2" F.I.P. plastic ball valve, lead free bronze vacuum breaker, 1/2" stainless steel solenoid valve and plastic manifold with distribution ports. Electrical components to include single point power connection at 220VAC, 120VAC or 24VDC, manual override switch, minimum 5 amp breaker, 24 hour timer with relay and adjustable delay. All components to be factory assembled and installed into a 16 gauge satin coated steel box for recessed (standard) or surface mounted (specify suffix -SM) installation. The entire assembly is tested and certified to the ASSE 1044 Standard. 100 p.s.i. operating pressure.

**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.



MODEL NO.	DESCRIPTION
MI-100-5	1-5 opening ports with cabinet*
MI-100-10	6-10 opening ports with cabinet*
MI-100-15*	11-15 opening ports with cabinet*
MI-100-20*	16-20 opening ports with cabinet*
MI-100-25*	21-25 opening ports with cabinet*
MI-100-30*	26-30 opening ports with cabinet*
MI-100-35*	31-35 opening ports with cabinet*

#### SUFFIX OPTIONAL VARIATIONS

-A	Access door Allen key latch
-AD	Cabinet Cover (bolted to cabinet frame)
-ADSS	Stainless Steel (Type 304) Cabinet Cover (bolted to cabinet frame)
-BA	Buy American Act compliant product
-C	Access door cylinder lock
-DW	Access door with drywall bead frame (5" cabinet depth)
-MFRU	Fire rated door, flush mount (6" cabinet depth)
-PL	Access door paddle latch
-PA	Pennsylvania Steel Act compliant product

**\*Note:** Cabinet can be surface or flush mounted. The same cabinet can be installed either way.

**\*Width of cabinet will increase for 11 outlets and up.**

#### SUFFIX OPTIONAL VARIATIONS

-SS	Fabricated Stainless Steel (Type 304) cabinet
-UA	Access door, prime coated (5" cabinet depth)
-UASS	Access door, stainless steel (5" cabinet depth)
-2M	Brass manifold with brass compression connections
-24 VDC	24 VDC
-75WS	3/4" water supply connection 120 VAC
-120 VAC	120 VAC
-220 VAC	220 VAC
-500	1/2" compression connection
-625	5/8" compression connection

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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## **TRAP SEAL PRIMER TROUBLESHOOTING**

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

**1) What is the line pressure for the Installation?**

The M-500 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 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 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. 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 MPB-2012-USA List Price book.**

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