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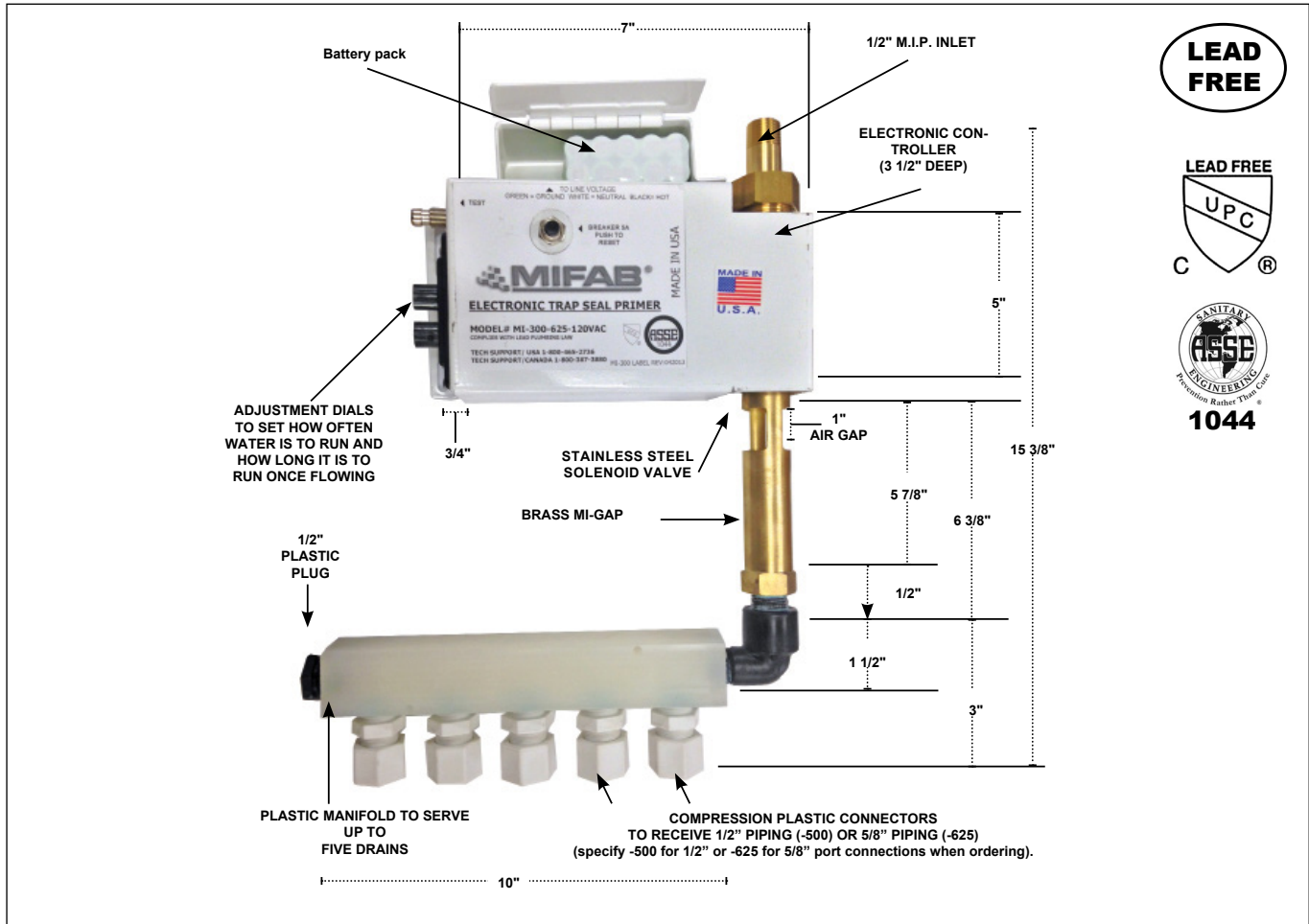


**MI-300-BP**

**ELECTRONIC TRAP SEAL PRIMER WITH AIR GAP, DISTRIBUTION UNIT AND BATTERY PACK**

**Specification:** MIFAB® Series MI-300-BP, electronic trap seal primer system with copper air gap, electrical brass body 1/2" Stainless steel solenoid valve, and plastic manifold with distribution ports. A battery pack provides power. Also included is a manual override switch, 5 amp breaker, 24 hour timer with relay and adjustable delay. The entire assembly is tested and certified to the ASSE 1044 Standard. 100 p.s.i. operating pressure.

**Function:** The MI-300-BP is ideal for facilities in remote areas that do not have access to power. The battery pack included with the MI-300-BP provides the necessary power to operate. The water discharge frequency can be adjusted to meet the building's needs. It can be located anywhere in the water supply. The MI-300-BP is manufactured in accordance to the ANSI/ASME A112.1.2 air gap in plumbing systems Standard. The -ENC 12" X 12" enclosure is suggested when the MI-300-BP is installed into the wall. The life of the battery pack is six months.



**SUFFIX OPTIONAL VARIATIONS**

- AD 16 gauge powder epoxy coated steel (white) cabinet cover (bolted to cabinet frame)
- ADSS Fabricated Stainless Steel (Type 304) cabinet cover (bolted to Stainless Steel cabinet frame)
- BA Buy American Act compliant product
- ENC 16 gauge powder epoxy coated steel (white) cabinet to enclose
- ENCSS 16 gauge fabricated Stainless Steel (Type 304) cabinet to enclose MI-200
- PA Pennsylvania Steel Act compliant product
- 500 1/2" compression connection
- 625 5/8" compression connection

MODEL NO.	DESCRIPTION
MI-300-BP	

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: \_\_\_\_\_

MIFAB® reserves the right to make changes in material and design without formal notice and obligation.

USA: 1-800-465-2736 www.mifab.com CAN: 1-800-387-3880

Location: \_\_\_\_\_



**MIFAB®**

**MI-300-BP**

**ELECTRONIC TRAP SEAL PRIMER WITH AIR GAP, DISTRIBUTION UNIT AND BATTERY PACK**

## **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-2015-USA List Price book.**

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