



PRECISION PLUMBING PRODUCTS

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Mini-Prime Series Battery Operated Trap Priming System

Installation Instructions

MPB-500-12V

MP-500-12V

DESCRIPTION:

Mini-Prime 12V is a battery operated trap priming device. Primer activates, delivering potable water across an air gap funnel. (CAUTION: This unit is not a pressure feed trap priming system. The device must always be higher than the drains it serves. Trap supply lines should be sloped to discharge point.)

OPERATION:

A preset timer energizes a normally closed solenoid valve. Potable water flows for 10 seconds across the air gap and is distributed via trap primer feed lines. The timer then de-energizes the solenoid allowing it to close for 24 hours until the next operational cycle.

INSTALLATION:

- 1) Anchor control box to stud or surface wall using wood screws or appropriate surface fasteners. Unit must be accessible if mounted behind a finished wall. A PPP model D1212 access door is recommended. (MP-Series only)
- 2) Connect 1/2" male NPT solenoid inlet to a fresh water line.
Connect 1/2" female primer discharge line to trap feeder line or to a PPP distribution unit for multiple drains (DU-U optional). Seal threads with teflon tape only. Use of thread sealant will void the warranty. The priming valve make-up line to floor drain is recommended to be a minimum 12" (305mm) off finished floor before a 90° elbow can be installed.
- 3) Connect primer feeder line to trap, making sure line is properly sloped for gravity feed
- 4) Remove cover screws to timer battery control box and make red wire connection to test switch as per the timer wiring diagram on the control box cover. Connect black wire from battery pack to terminal #3. Timer will cycle for 10 seconds. Installation complete. (Test button needs to be depressed a minimum of 3 seconds then release to activate solenoid).
- 5) Replace battery annually.

II-MP-02 Rev. 03/18

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