



## Precision Plumbing Products

*"Specify with Confidence - Install with Pride"*

### SMART-PRIME ELECTRONIC TRAP PRIMER INSTALLATION & MAINTENANCE INSTRUCTIONS

#### DESCRIPTION:

SMP-500 is a plug-in electronic trap primer (the plug-in connection is only provided with 115V version). The trap primer functions at a pre-selected time delivering potable water across an air gap funnel.

#### CAUTION:

SMP-500 should not be defined as a pressure feed trap priming system. The trap primer should be mounted 12" above the finished floor measured from the bottom of the air gap fitting with a straight drop before turning with your makeup line to the floor drain. This trap primer is a gravity feed system so the makeup line to the floor drain must have a continuous slope.

#### OPERATION:

When the timer energizes the solenoid valve discharges potable water across the air gap funnel for a set amount of time, and when the timer deactivates the solenoid valve closes. Approximately 2 oz of water at 20 PSIG is discharged in a 24 hour cycle.

- Read all of the instructions before using the appliance.
- Do not use outdoors.
- To disconnect, remove the plug from the outlet, grasp the plug, not the cord and pull. Do not operate the unit with a damaged electrical cord.
- If the primer is damaged please consult factory.

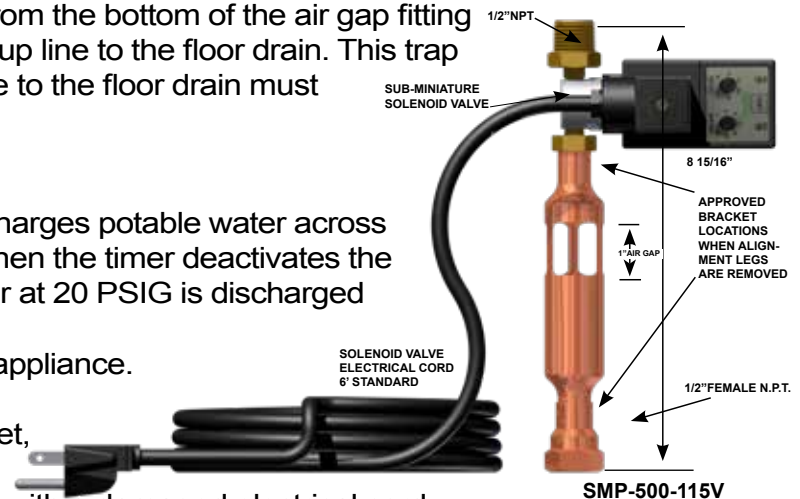
#### INSTALLATION:

- Trap primer must be a minimum of 12" above the finished floor of drain(s). This valve serves 1-4 floor drains.
- SMP-500 must be installed in an accessible location. Model # D-814PC or SS access door is the ideal size for concealing this valve behind the wall.
- Connect 1/2" NPT connection from the potable water supply using Teflon tape only (Pipe dope will void the warranty).
- Connect primer makeup line to either a single feed or with a DU-U distribution unit to accommodate up to 4 floor drains. Ensure assembly is plumb and square.
- Make absolutely sure your makeup line to the floor drain has a continuous slope.

#### FUNCTIONS:

- On Time: 12 seconds - Off Time: 24 hours factory pre-set.
- Press test switch to check functionality of unit.
- Yellow LED's to indicate status of valve.
- 115V AC/DC 60Hz (Standard).

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