

10315 Brighton Lane  
Houston, TX 77031

P.O. Box 965  
Stafford, TX 77497

PH: (800) 610-8670  
(713) 667-6691

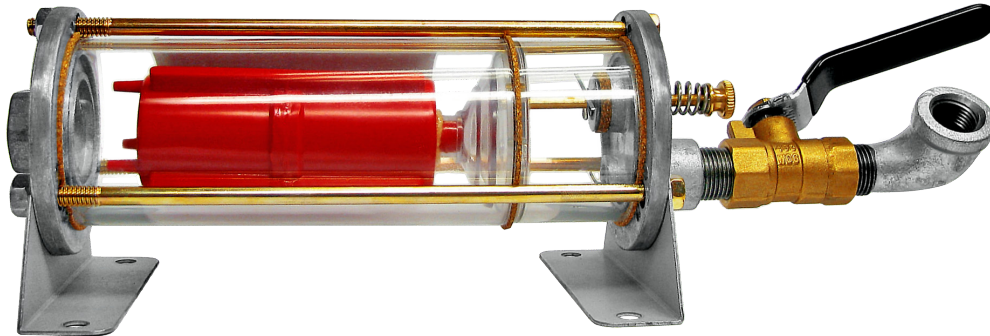
F: (713) 667-7867

sales@protekspecialty.com  
www.protekspecialty.com



# MP SERIES

## MANIFOLD PRIMER



## MP1000

### DIMENSIONS

7" x 4" x 3 1/2"

Inlet/Outlet: 3/8" NPT

Shipping Wt. - Approx. 3 lbs

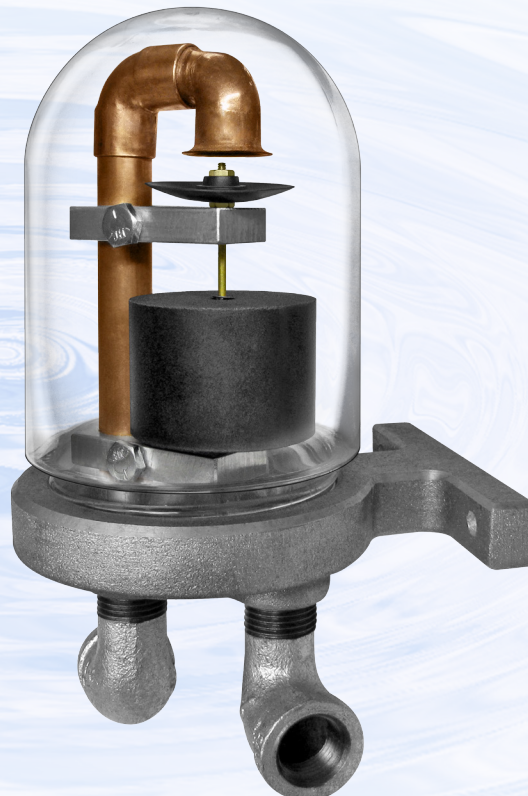
## MP2000

### DIMENSIONS

5" x 4" x 9"

Inlet/Outlet: 1/2" NPT

Shipping Wt. - Approx. 3.5 lbs



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## MANIFOLD PRIMER

The **MANIFOLD PRIMER/Water Trap** is a device positioned between a water pump being primed and a source of vacuum pulling the water. It is designed to stop water flow when water reaches it. As a manifold primer it is used when the vacuum source is the intake manifold of a multiple-cylinder gasoline or LP gas engine, or brake booster of a vehicle. As a water trap, it is used when the vacuum source is a vacuum pump. The manifold primer/water trap utilizes a mechanical float valve that stops airflow as water enters the unit, thus "trapping" and preventing the water from continuing past it.

**MP1000** - Has  $\frac{3}{8}$  NPT flow ports, IN at bottom and OUT at top. Mounting requires four  $\frac{1}{4}$ " bolts or screws. Water drains from the unit through the priming line.

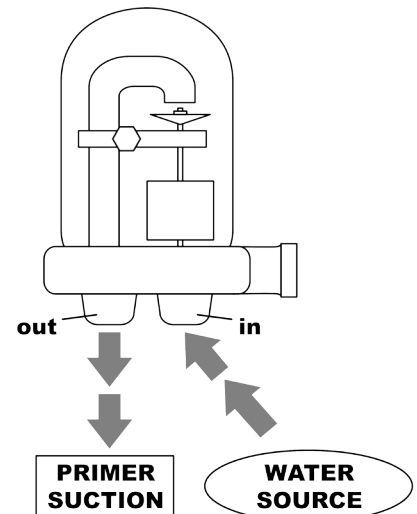
**MP2000** - Has  $\frac{1}{2}$  NPT IN and OUT flow ports on the bottom. Mounting requires two  $\frac{1}{4}$ " bolts or screws. Water drains from the unit through an umbrella valve on the bottom.

### **FEATURES:**

- Can be mounted on any surface
- Use on multiple cylinder on gasoline or LPG engines
- Durable clear housing allows operator to observe its functioning
- Brass ball valve included

### **INSTALLATION:**

1. Mount the unit in position so that the float mechanism moves vertically and is at an elevation above the pump priming port.
2. Use noncollapsible hose to connect the unit OUT port to the vacuum source, for example a tee fitting spliced into the vacuum line.
3. Use noncollapsible hose to connect the unit IN port to the pump priming port, with the provided ball valve in between.



### **OPERATION:**

1. Close the priming line ball valve.
2. Close the pump discharge valve to prevent air being drawn through the discharge.
3. Start the vacuum source.
4. Open the priming line ball valve.
5. When water enters unit, close priming line ball valve. (Water entering unit indicates pump is primed.)
6. Start the pump and open the pump discharge valve.
7. Stop the vacuum source then allow the water to drain from the unit.

*\*NOTE: If water does not flow from discharge, turn your pump OFF and repeat steps 2 through 5. When pump is discharging properly the priming line may be disconnected from primer and the engine providing vacuum turned OFF.*

### **MAINTENANCE:**

- Chamber housing should be kept clean in order to observe the float valve.  
*\*If necessary, remove the unit and flush with water or a mild soap solution.*
- Use only soap and water to clean plastic parts.  
*\*Do not use any harsh cleanser or chemicals to clean the unit.*
- Do not tighten tie bolts or plastic dome more than necessary to provide seal.
- Keep the priming line ball valve closed when manifold primer/water trap is not in use.

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## MANIFOLD PRIMER

	MP1000		MP2000		DESCRIPTION
1	M1001				Top Cover Assembly
	<b>M1001</b> <i>Includes:</i>	M1006			
		M1007			
		M0051			
2	M1003		M2001		Clear Housing
	M1004				
3	M1002		M2013		Lower Base
4	M1005				Mounting Bracket (2 Req.)
5	M1008				Float Assembly
6	M1010				Tie Bolt (3 Req.)
7	M1012 (3 Req.)		M2002		Gasket
8	X0E17		X0P72 (3 Req.)		Close Nipple
10	X0P67		X0P69		Street Elbow
11	E0334		M2012		Brass Valve



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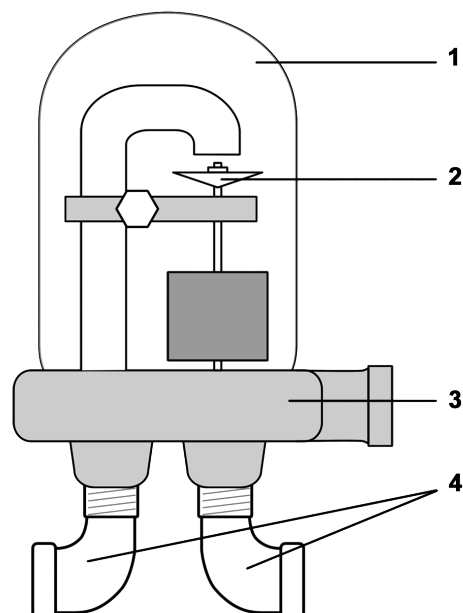
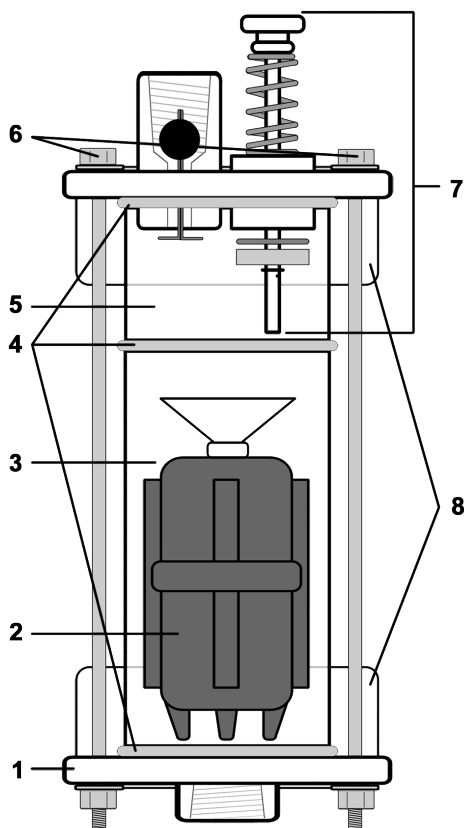
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# MP SERIES

## MANIFOLD PRIMER

## MP BREAKDOWN



1	Lower Cover
2	Float Assembly
3	Lower Housing
4	Gaskets
5	Upper Housing
6	Tie Bolts
7	Top Cover Assembly
8	Mounting Brackets

1	Clear Cover Jar
2	Umbrella Valve
3	Mounting Base
4	Angle Valves