The PR-500 automatic pressure drop activated trap primer valve will prime up to 2 floors drains with our patented distribution DU-U or DU-4 units.

System operating range is 20 psi minimum to 80 psi (138 to 552 kpa) maximum.

The valve requires a 10 psi (70 kpa) pressure drop across the valve to activate and will deliver a metered amount of water to the floor drain. Trap primer is to be connected to a cold water supply only.

Constructed of 360 brass, EPDM E70 O-rings, Dow #7 Silicone, #60 stainless steel mesh screen.

PROJECT SUBMITTAL MODEL # _____________

Project: ________________________________

Contractor: ____________________________

Engineer: ______________________________

Date Submitted: ________________________

Prepared By: __________________________

PART NO’s:

PR-500
PR-500AUS
TRAP PRIMER VALVES
Prime-Rite Series Trap Primer Valves

INSTALLATION REQUIREMENTS

This valve is designed to be installed on ½" to 1 ½" cold water line, feeding a flush valve or other open and closing valve supply line that is frequently used.

Trap Primer valve makeup line to floor drain is recommended to be a minimum of 12" off the finished floor before a 90° elbow can be installed.

The furthest recommended distance of makeup line is 20' to the floor drain.

Trap primer make up line must have continuous slope to the floor drain (consult local code requirements).

Install with a shut off valve for servicing on the inlet side and a union connection on the outlet side.

The valve must be installed level.

If using the distribution unit the clear plastic cover must be used.

Do not subject the valve to rough in pressure test.

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**FLOOR DRAIN TRAP PRIMER DIST. CHART**

<table>
<thead>
<tr>
<th># of Drains</th>
<th>Supply Tube</th>
<th>Dist. Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>DU-4/DU-U</td>
</tr>
</tbody>
</table>

Max. Water delivery based upon pressure drop and fixture unit activity on the system.

Primer Model: PR-500 PRIME-RITE

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Single Drain Installation

- Inlet
- Service Valve
- PR-500 Trap Priming Valve
- Drain Supply Line Minimum 1/2" Copper
- 1/2" 12 mm

Multiple Drain Installation

- Inlet
- Service Valve
- PR-500 Trap Priming Valve
- Drain Supply Line Minimum 1/2" Copper
- DU-U
- 12"