PRIME/PURGE VALVE FOR WATERS® PUMPS

- Automatic Valve Operation with a Simple Twist of a Luer Lock Syringe
- No Tubing to Cut or Ferrules to Swage
- No Wear on the Internal Seal
- Economically Priced

The Upchurch Scientific® Prime/Purge Valve for Waters pumps automatically opens when a luer syringe is attached and closes when the syringe is removed. No valve rotation is required after the initial installation, so wear on the internal seal is eliminated.

In addition, our Waters-compatible Prime/Purge Valve is simpler to operate and more economically priced than other replacement valves available for Waters systems.

This valve is constructed of rugged materials, including a PEEK™ valve body. The component structure ensures compatibility with virtually all common solvents used in HPLC analyses.

A Waters-compatible internal seal is included with the valve. This seal can also be purchased separately. It can be used both with the Upchurch Scientific valve and the original valve supplied with the pump.

UNIVERSAL PRIME/PURGE VALVES

- For Any Style HPLC System
- Automatic Luer Syringe Operation
- Featuring Handy Mounting Holes

Our Universal Prime/Purge Valves are easy to operate. Simply install a valve along the flow path with the included fittings and attach a luer-tipped syringe. Then, withdraw the plunger and watch as solvent and residual bubbles are removed from the solvent line. The valves are automatically closed when the syringe is removed.

Install the Low Pressure Universal Prime/Purge Valve along the inlet solvent path near the pump to remove bubbles from the inlet solvent line. The valve can also be used to rapidly “wet” your solvent inlet filter. When a new filter is installed, it often contains a substantial amount of air within its pores. At standard flow rates, it may require several minutes before the inlet fluid pathway is completely free of gas. Using this valve, you are able to rapidly draw solvent through the inlet filter, dislodging the gas and minimizing downtime.

Air within the pump head can cause flow instability and noisy pump operation. Place our new High Pressure Prime/Purge Valve between the pump and the sample injector, where it can be used to remove bubbles that have become lodged within your pump. This valve is rated for a maximum pressure of 5,000 psi (345 bar).

The low pressure version of the valve is designed to be used with 1/8” OD tubing, while the high pressure version accommodates 1/16” OD tubing. Optional bulkhead mounting is made easy by the handy mounting holes in the body of each unit.

ATTACHING/REMOVING THE SYRINGE AUTOMATICALLY OPENS AND CLOSES THE VALVE

PRIME/PURGE VALVES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>V•320</td>
<td>Prime/Purge Valve for Waters Pumps Includes (1) V•320•06 Teflon® seal</td>
<td>$130.00</td>
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<tr>
<td>V•320•06</td>
<td>Replacement Teflon Seal (for V•320)</td>
<td>$5.00</td>
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<tr>
<td>V•321</td>
<td>Low Pressure Universal Prime/Purge Valve Includes (2) P•300N Tefzel® Ferrules &amp; (2) P•335 PEEK Nuts, for 1/8” OD tubing</td>
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<tr>
<td>V•322</td>
<td>High Pressure Universal Prime/Purge Valve Includes (2) F•120 Fittings for 1/16” OD tubing</td>
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<tr>
<td>B•310</td>
<td>10cc Disposable Luer-Tipped Syringe</td>
<td>$0.50</td>
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Our pump pistons, seals and check valves are found starting on page 99.