**L SERIES: Drain Sampling Valve**

**Easy to Install**
- Remove existing drain or fill plugs. Replace plug with a L insert plug. L plugs allow removal for draining or fluid replacement.
- Warning: Any protrusion beyond existing plug may subject the valve and cap to shear forces from rock or debris.

**Clean**
- Flushface patented valving can be easily wiped clean.
- For insert styles the recessed valve area has an optional dust cover.
- Drain and fill capability provides a closed system to avoid opening up the system to environmental contamination.

**Accurate**
- Hot fluid consistently taken from a standard location can improve sampling accuracy.
- Reusable thread-on probe and disposable 1/4” OD PVC tubing avoids cross contaminating samples from different systems.

**Compact**
- Only 16mm (0.63”) clearance required. Less than half required by most diagnostic valves.
- Design can be inserted into large diameter drain plugs or custom manufactured to fit a variety of port threads.

**Fast**
- Allows high flow for heavier oils. Nominal diameter equivalent to 1/4” ID hose assembly.
- Draws 16x more flow than KST, KP & B series valves

**Safe**
- Heavy duty dual sealed valve with backup hex cap.
- Sampling to 150psi, pressure rated to 3000psi.

**Low Profile High Flow Sampling**

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Sampling Pressure Range</td>
<td>-12psi to 150psi (-0.83 to 10bar)</td>
</tr>
<tr>
<td>Max Operating Pressure</td>
<td>3000psi (207bar)</td>
</tr>
<tr>
<td>Max Burst Pressure</td>
<td>9000psi (615bar)</td>
</tr>
<tr>
<td>Materials</td>
<td>Steel, Nickel Plated</td>
</tr>
<tr>
<td>Viton™ Seal Temperature</td>
<td>-55 to +400°F (-31.67 to 204°C)</td>
</tr>
<tr>
<td>Minimum Particle Restriction</td>
<td>15000 microns</td>
</tr>
<tr>
<td>Body Size</td>
<td>0.160” (4.06mm)</td>
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</table>

**Easy to Collect**
- Sample only hot fluid. For mobile applications ensure the port is in the low position.
- Remove L series cap by hand or socket wrench. Thread on LF swivel probe and tube.
- Hold sampling bottle below the fluid level in the housing to allow the fluid to collect.

**Check Fluid Level**
- Hold sample bottle above the fluid level.
- Unthread probe and replace cap.

**Fluid Fill**
- L Plugs can also be used in fill ports for low contamination fluid top ups.

**Equipment**
- Wheel Loaders
- Industrial Gearboxes