Dual-Flow Dispensing Valve
For the Fuel Dispensing Market

General Description:

Parker Fluid Control Division’s Dual-Flow solenoid valves are designed to control two flow rates on command. The valves are actually two valves in one compact assembly using a single dual-wound coil.

The valves accurately dispense a predetermined amount of liquid by providing a high-flow (full-flow) for delivery of the bulk amount, and then switch to the low-flow mode to dispense the final amount required.

Installation:

Valves can be mounted in any position.

Mechanical Characteristics:

Flow Sequence
Off-Low-High-Low-Off

Standard Materials of Construction:

- Body – Brass
- Seals – fluorocarbon (FKM)
- Sleeve – stainless steel
- Plunger – stainless steel (430 FR)
- Diaphragm – NBR
- Shading Ring – copper
- Springs – stainless steel

Enclosure

Explosion proof, 1/2” conduit, NEMA Type 7 (UL Class I, Groups C & D)

Electrical Characteristics:

Standard Voltages:
AC – 120/60 110/50
DC & other voltages – consult factory

Power Consumption
- High flow - 15 watts
- Low flow - 8 watts

Agency Approvals

UL listed and CSA certified
(ATEX and IECEx available upon request)

Coil Classification

Class F taped with 3 gasoline vapor resistant lead wires.

Applications:

- Fuel dispensing
- Pre-pay
- Process industries (blending/mixing/batching)
- Petrochemical
- Refining
- Food
- Pharmaceutical

Maximum Ambient and Fluid Temperature
104°F
# 2-Way Normally Closed - XLG Fuel Dispensing - Brass

<table>
<thead>
<tr>
<th>Port Size NPT</th>
<th>Orifice Size</th>
<th>Flow Factor Cv</th>
<th>Operating Pressure Differential PSI</th>
<th>Max. Media Temp. °F</th>
<th>Seal</th>
<th>Pressure Vessel Number</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>3/4</td>
<td>3/4</td>
<td>3/32</td>
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<td>1/16</td>
<td>13</td>
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<td>140</td>
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</tbody>
</table>

*Consult factory for coil/enclosure selection

## Valve Reference D54

![Wiring Schematic](image)

<table>
<thead>
<tr>
<th>Flow Status</th>
<th>Switch Position A</th>
<th>Switch Position B</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Flow</td>
<td>Open, Open</td>
<td>Closed, Open</td>
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<tr>
<td>Low Flow</td>
<td>Closed, Open</td>
<td>Closed, Open</td>
</tr>
<tr>
<td>Full Flow</td>
<td>Closed, Open</td>
<td>Closed, Open</td>
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</table>

[Diagram of valve specifications]