Effective immediately, the Vacuum Control Solenoid Valve (IMPCO P/N VCS) is no longer available. A kit, P/N HK-54702-001 includes a new valve, P/N FCV-54700-001 and the hardware necessary to replace the VCS. The specifications for the new valve are shown below:

**SPECIFICATIONS**

- **Voltage:** 12V Nominal; Range: 10.8-16V
- **Resistance:** 23.0 +/- 1.2 Ω
- **Current:** ≤0.72A @ 12V, -40°C/F 100% duty cycle
- **Operating Temperature:** -22°F to 266°F (-30°C to 130°C)
- **Vibration Resistance:** Max 6g @ 20-350Hz
- **Pressure Maximum:** 4.3 psi (30 kPa)
  (Rated on vertical Hose Nipple only)
- **Hose Nipple Diameter (all three):** 6.0mm
### Connector Assembly

1. Slide the seals (1) over the wires.
2. Crimp the terminals (2) over the wires.
3. Insert terminals (2) into the connector (3) and verify they are properly clipped in.

**NOTE:** The positive wire goes into the connector side 2 and the negative to the side labeled 1.

4. Slide the seals (1) down into the connector (3) cavities.

A mounting bracket (4) is included to provide a secure mounting point for the valve. Slide the tab at the bottom of the on the bracket, then bolt the bracket to a secure location.

Once mounted, connect the electrical connector and vacuum hoses; the new valve can be placed into service.

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**HK-54702-001**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part Number</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Seal, Tyco 0.75 Blue</td>
<td>828904-1</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Terminal, JPT 0.5-1 Tyco</td>
<td>929939-1</td>
<td>2</td>
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<tr>
<td>3</td>
<td>Connector, Tyco Jr.</td>
<td>282189-1</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Bracket, FCV</td>
<td>B4-54701-001</td>
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</table>

Two kits are available for the FCV-54700-001:
- **HK-54702-001** includes the valve, bracket and connector components.
- **HK-54710-001** consists of the connector components only.

The valve P/N FCV-54700-001 is also available separately.

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**HK-54710-001**

<table>
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