The following page(s) are extracted from multi-page Kuhnke product catalogues or CDROMs and any page number shown is relevant to the original document. The PDF sheets here may have been combined to provide technical information about the specific product(s) you have selected.

Hard copy product catalogues, and CDROMs have been published describing Kuhnke Pneumatics, Solenoids, Relays and Electronics; some divided into different books. A list of current publications is available on this web site or from our sales offices. Some may be available for download, but as substantially larger files.

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Important Note

The information shown in these documents is for guidance only. No liability is accepted for any errors or omissions. The designer or user is solely responsible for the safe and proper application of the parts, assemblies or equipment described.
Miniature Solenoid Valves

Series 67 – 2/2 or 3/2

Series 67 – Miniature Solenoid Valves (30mm Wide)

The Series 67 solenoid valve is available for in-line or manifold mounting. Its modular construction allows for maximum utilisation of space. The valve is available with standard plug terminals. Accessories include connecting plugs, and manifolds. All in line valves feature a solid brass housing, Buna seals, encapsulated coils and are mountable in any position. Manifold mounted valves have a cast zinc alloy base.

The Series 67 is available with a manual override option for ease in testing or troubleshooting pneumatic circuits.

Types: Standard valves are available in 2 mounting configurations. In-line (body ported) valves are mounted using 2 (M5) threaded holes at the base. Manifold mounted valves can be used with Kuhnke accessories or can be mounted on custom manifolds or equipment.

Technical Specifications

<table>
<thead>
<tr>
<th>Operating Pressure:</th>
<th>90% vacuum to 8 Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Rate:</td>
<td>Standard: 200 Litres @ 7 Bar</td>
</tr>
<tr>
<td></td>
<td>Low Power: 40 Litres @ 7 Bar</td>
</tr>
<tr>
<td>Kv/Cv:</td>
<td>See flow graphs.</td>
</tr>
<tr>
<td>Connection:</td>
<td>1/8</td>
</tr>
</tbody>
</table>

Flow Graphs in Bar and Litres per Minute

![Flow Graphs](image)

- **Standard 2mm Orifice**
  - 
  - **Kv** – 1.86 / **Cv** – .13

- **Low Power 1mm Orifice**
  - 
  - **Kv** – 0.02 / **Cv** – .01

(1 Bar = 14.5 PSI: 1 litre = .03531 cubic feet)

- **Orifice:**
  - Standard – 2mm
  - Low Power – 1mm

- **Media:**
  - All neutral liquid and gaseous media.

- **Power Consumption:**
  - Standard: DC; 6.5W / AC; 8 VA
  - Low Power: DC; 1.5W

- **Valve Operating Time:**
  - Standard: Pick-up: 6-12 ms
    - Drop out: 6-13 ms
  - Low Power: Pick-up: 25-30 ms
    - Drop out: 9 -12 ms

- **Materials:**
  - Brass body, Buna N seals, encapsulated coil. (Manifold mount valves have zinc body.)

- **Average Mechanical Life:**
  - 20 million operations

- **Operating Ambient:**
  - -10°C to 50°C (12°F to 120°F)

- **Dimensions (mm):**
  - Height: In Line 70.5 / Manifold 63.5
  - Width: 30
  - Depth: 30
  - Weight: 300g. / 230g.
# Selection Chart

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalogue Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In-Line Mounted</td>
</tr>
<tr>
<td></td>
<td>DC Coil</td>
</tr>
<tr>
<td><strong>2/2</strong> Norm. Closed</td>
<td>67131- •</td>
</tr>
<tr>
<td></td>
<td>67131- •</td>
</tr>
<tr>
<td>2/2 Norm. Closed Manual Override</td>
<td>67135- •</td>
</tr>
<tr>
<td></td>
<td>67135- •</td>
</tr>
<tr>
<td>3/2 Norm. Closed</td>
<td>67101- •</td>
</tr>
<tr>
<td></td>
<td>67111- •</td>
</tr>
<tr>
<td>3/2 Norm. Closed Manual Override</td>
<td>67111- •</td>
</tr>
<tr>
<td>3/2 Norm. Open</td>
<td>67103- •</td>
</tr>
<tr>
<td></td>
<td>67113- •</td>
</tr>
<tr>
<td>3/2 Norm. Open Manual Override</td>
<td>67113- •</td>
</tr>
<tr>
<td>3/2 Norm. Closed Low Pwr. Coil</td>
<td>67151- •</td>
</tr>
<tr>
<td></td>
<td>67151- •</td>
</tr>
</tbody>
</table>

- *Insert coil voltage required to complete catalogue number. Standard voltages are 12 and 24 VDC: 24, 110 and 230 VAC.

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**Notice:**
Series 67 Valves will be discontinued January 2008. Do not use for new designs.

UL versions are available on special order.
For 2/2 operation of any 67 Series valve, plug exhaust port 3.
Consult us for valves with special mounting configurations, flow requirements or different seal materials.
See miniature solenoid valve accessories for electrical connectors and manifolds. For detail dimensions contact us.