**FEATURES**
- low noise switching
- high switching frequency
- compact design
- low energy consumption

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**2/2-way Solenoid Valves with soldering connection for tubes D 1/4'' and 3/8''**

### Permissible media:

**Operating pressure:**
- 0 - 30 bar

**Life span:**
- min. 20 mio switchings

**Ambient temperature:**
- -40 to +70°C

**Media temperature:**
- -40 to +150°C

### Material:
- Brass, stainless steel, PTFE, EPDM

### Magnetic capacity:
- 6 Watt

### Coil Connector:
- DIN 43650 A PG9

### Coil Protection:
- IP65 with connector

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**Connection**

<table>
<thead>
<tr>
<th>Tube-D</th>
<th>KV ¹</th>
<th>Weight</th>
<th>Article Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4''</td>
<td>0.3</td>
<td>0.20 kg</td>
<td>VAI50(*)</td>
</tr>
<tr>
<td>3/8''</td>
<td>0.4</td>
<td>0.24 kg</td>
<td>VAI53(*)</td>
</tr>
</tbody>
</table>

¹) The KV-Value is the water flow in m³/h, at pressure drop across the valve of 1 bar.

(*) **Voltage code:**
- 0 = without coil
- 1 = 230V DC/AC
- 2 = 024V DC/AC
- 4 = 012V DC/AC
- 5 = 110V DC/AC

The voltage code is the end number of the valve article number. (e.g.: VAJ501)

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**Nominal Refrigeration Capacity (KW)**

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>1/4''</td>
<td>6 4,17 5,6 5,7</td>
<td>2,8</td>
<td>2,3 2,2 2,94</td>
</tr>
<tr>
<td>3/8''</td>
<td>8 5,56 7,4 7,6</td>
<td>3,7</td>
<td>3,05 2,93 3,9</td>
</tr>
</tbody>
</table>

¹) The nominal liquid and suction steam capacity is based on the evaporation temperature t₀ = -10°C, liquid temperature ahead the valve tₘ = +25°C, and Dp = 0.15 bar.

²) The nominal hot gas capacity is based on the liquifing temperature tₙ = +40°C, pressure drop across the Valve Dp = 0.8 bar, hot gas tₖ = +65°C, and subcooling of refrigerant liquid Dtu = 4 K.

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Offenwanger GmbH Südweg 7 D-75245 Neulingen-Göbrichen Phone: +49 (0) 07237 4857-0 Fax: +49 (0) 07237 4857-18 info@offenwanger.com www.offenwanger.com