Operating pressure: 0.05 - 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

** devise **

** Truck Refrigerating **

** 2/2-way **

** Solenoid Valves with thread connection for tubes D 3/8" - 7/8" **

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

** Connection Tube-D KV Weight **

<table>
<thead>
<tr>
<th>KV</th>
<th>Weight</th>
<th>Article Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>0.9</td>
<td>0.32 kg</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>1.9</td>
<td>0.34 kg</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>2.4</td>
<td>0.36 kg</td>
</tr>
<tr>
<td>7/8&quot;</td>
<td>2.8</td>
<td>0.41 kg</td>
</tr>
</tbody>
</table>

1) The KV-Value is the water flow in m/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.: VBK501)

** Connection Tube-D Nominal Refrigeration Capacity (KW) **

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>18</td>
<td>12,5</td>
<td>16,7</td>
<td>17,1</td>
<td>2,0</td>
<td>1,8</td>
<td>1,5</td>
<td>1,85</td>
<td>8,3</td>
<td>6,8</td>
<td>6,6</td>
<td>8,7</td>
<td></td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>38</td>
<td>26,4</td>
<td>35,3</td>
<td>36,1</td>
<td>4,3</td>
<td>3,9</td>
<td>3,2</td>
<td>4,0</td>
<td>17,5</td>
<td>14,3</td>
<td>13,9</td>
<td>18,4</td>
<td></td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>48</td>
<td>33,4</td>
<td>44,6</td>
<td>45,6</td>
<td>5,4</td>
<td>4,9</td>
<td>4,0</td>
<td>5,0</td>
<td>22,1</td>
<td>18,0</td>
<td>17,6</td>
<td>23,2</td>
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<tr>
<td>7/8&quot;</td>
<td>56</td>
<td>38,9</td>
<td>52,1</td>
<td>53,2</td>
<td>6,3</td>
<td>5,7</td>
<td>4,6</td>
<td>5,85</td>
<td>25,8</td>
<td>21,0</td>
<td>20,5</td>
<td>27,1</td>
<td></td>
</tr>
</tbody>
</table>

The nominal liquid and suction steam capacity is based on the evaporation temperature \( t_{v} = -10^\circ C \)

and \( D_p = 0,15 \text{ bar.} \)

The nominal hot gas capacity is based on the liquefying temperature \( t_k = +40^\circ C, \)

pressure drop across the Valve \( D_p = 0,8 \text{ bar,} \)

and \( t_u = +65^\circ C, \)

and subcooling of refrigerant liquid \( D_u = 4 \text{ K.} \)