Connection

<table>
<thead>
<tr>
<th>Tube-D</th>
<th>KV</th>
<th>Weight</th>
<th>Article Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/8''</td>
<td>12</td>
<td>0,95 kg</td>
<td>VDN01(<em>) VDN04(</em>)</td>
</tr>
<tr>
<td>1 3/8''</td>
<td>13</td>
<td>1,10 kg</td>
<td>VDO01(<em>) VDO04(</em>)</td>
</tr>
<tr>
<td>1 5/8''</td>
<td>14</td>
<td>1,25 kg</td>
<td>VDP01(<em>) VDP04(</em>)</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.: VDP011)

Operating pressure: 0,2 - 30 bar
Life span: min. 5 mio. switchings
Ambient temperature: -40 to +7° C
Media temperature: -40 to +150° C
Material: Brass, stainless steel, PTFE, EPDM
Magnetic capacity: 10 Watt
Coil Connector: DIN 43650 A PG9
Coil Protection: IP65 with connector

Refrigerating

2/2-way

Solenoid Valves with soldering connection for tubes D 1 1/8'' - 1 5/8''

Series: VD01

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

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<table>
<thead>
<tr>
<th>Tube-D</th>
<th>Liquid</th>
<th>Suction Steam</th>
<th>Hot Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/8''</td>
<td>240</td>
<td>166,8</td>
<td>223,2</td>
</tr>
<tr>
<td>1 3/8''</td>
<td>260</td>
<td>180,7</td>
<td>241,8</td>
</tr>
<tr>
<td>1 5/8''</td>
<td>280</td>
<td>194,6</td>
<td>260,4</td>
</tr>
</tbody>
</table>

2) The nominal liquid and suction steam capacity is based on the evaporation temperature t₀ = -10°C, liquid temperature ahead the valve tᵥ = +25°C and Dp = 0,15 bar.

The nominal hot gas capacity is based on the liquefying temperature t₀ = +40°C, pressure drop across the Valve Dp = 0,8 bar, hot gas tₕ = +65°C and subcooling of refrigerant liquid Dtₘ = 4 K.

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