Vacuum Relief Valve
VS/ScS

Without EC certificate and CE designation

<table>
<thead>
<tr>
<th>DN</th>
<th>C</th>
<th>D</th>
<th>H</th>
<th>H1</th>
<th>F</th>
<th>setting (mbar)</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 PN 40</td>
<td>120</td>
<td>130</td>
<td>165</td>
<td>65</td>
<td>16</td>
<td>3.1</td>
<td>85</td>
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<tr>
<td>50 PN 16</td>
<td>125</td>
<td>165</td>
<td>195</td>
<td>95</td>
<td>18</td>
<td>2.4</td>
<td>84</td>
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<tr>
<td>80 PN 16</td>
<td>150</td>
<td>210</td>
<td>245</td>
<td>120</td>
<td>20</td>
<td>2.4</td>
<td>75</td>
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<tr>
<td>100 PN 16</td>
<td>175</td>
<td>245</td>
<td>295</td>
<td>148</td>
<td>24</td>
<td>2.3</td>
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<tr>
<td>150 PN 16</td>
<td>250</td>
<td>320</td>
<td>360</td>
<td>187</td>
<td>26</td>
<td>2.3</td>
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<td>200 PN 10</td>
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<td>225</td>
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<td>2.7</td>
<td>15</td>
</tr>
</tbody>
</table>

Dimensions in mm
* Indicated weights are understood without weight load and refer to the standard design

Standard valve setting 3-30 mbar - different settings against additional price -

* Material : PE (up to 13 mbar)
** Material : PE/lead filled

Design subject to change

Performance curves: K 0.5 N

Application
Not explosion-proof valve to prevent dangerous vacuums in tank installations.
For installation on tank roofs, if desired by the customer, in connection with a pressure valve.

Not suitable for flammable media.
Flow capacity $V$ based on air of a density $\rho = 1.29$ kg/m$^3$ at $T = 273$ K and atmospheric pressure $p = 1.013$ mbar.

For other gases the flow can be approximately calculated by

$$V \approx b \sqrt{\frac{X}{1.29}} \quad \text{or} \quad V \approx b \sqrt{\frac{1.29}{X}}$$

Air flow capacity at 40% above valve setting (see DIN 4119). If different accumulations are required see page A 31.

Curves indicated by _._._._._ require special weight loads.

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HELYON - 5 Chemin du Jubin 69570 DARDILLY - Tél. +33 (0)4 72 52 16 70 - Fax +33 (0)4 72 52 16 71
www.helyon.com / E-mail : contact@helyon.com