HAD

High-performance separator
HAD – High-performance separator

The HAD is a highly efficient compact separator, which can be integrated and flexibly used in almost any piping system due to its vertical design. It offers you reliable, very effective droplet separation and increases the efficiency of your compressors and thus of the entire refrigeration system. The HAD can separate up to 20.000 ppm (2% of mass flow) of liquid refrigerant.

Thus, the HAD offers you an effective alternative as a:

- Compact and cost-effective system extension
- Simple remedy in case of insufficient separation
- Economiser in systems with screw compressors
- Reliable secondary separation for direct expansion systems

Pipeline routing

From a liquid portion of refrigerant of 20.000ppm in the suction line upstream of the HAD, multiple deflection of the gas flow is absolutely necessary. This increases the separation of the liquid components and ensures a dry suction line to the compressor!

Available capacities and technical data

<table>
<thead>
<tr>
<th>Weight [kg]</th>
<th>PMAX [bar]</th>
<th>Capacity [kW]*</th>
<th>Capacity [kW]**</th>
<th>List price [EUR]</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAD 250</td>
<td>100</td>
<td>650</td>
<td>320</td>
<td>4.800</td>
</tr>
<tr>
<td>HAD 400</td>
<td>200</td>
<td>1.400</td>
<td>690</td>
<td>7.900</td>
</tr>
<tr>
<td>HAD 550</td>
<td>320</td>
<td>3.000</td>
<td>1.460</td>
<td>13.800</td>
</tr>
</tbody>
</table>

* NH3 T0=-10°C Tc=+35°C  |  **NH3 T0=-40°C Tc=+35°C
Dimensions

HAD 250

HAD 400

HAD 550

all figures in mm