Air-conditioner
Unique Selling Points

Standard features

- **Dimensions**

<table>
<thead>
<tr>
<th>Capacity [m³/h]</th>
<th>16000</th>
<th>25000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dim. LxWxH [mm]</td>
<td>4727.5x 1625x 1675</td>
<td>4727.5x 1625x 1980</td>
</tr>
</tbody>
</table>

- **Temperature range**
  15 to 40 [°C] +/- 1[°C]*

- **Relative humidity range**
  60 to 85 [%] +/- 3 [%]*

- **Fan**
  - direct drive frequency controlled
  - low energy consumption, IE2
  - corrosion resistant according NEN-EN-ISO 12944-2, class C3
  - low noise level, < 75 [dBA] during operation

- **Floor, inclined drain pan**

- **Stainless steel AISI-304 in- and outside housing**

- **Good accessibility for cleaning and maintenance**

- **Retractable demister**

- **Hygienic according DIN 1946-4**

- **Eurovent certified**

- **Easy accessible filter units**
  - Fresh air filter, type **G4**
  - Process air filter, type **M5**

<table>
<thead>
<tr>
<th>Efficiency [%] versus particle size [µm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partical size</td>
</tr>
<tr>
<td>-----------------</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Pre-filter</td>
</tr>
<tr>
<td>0,1 µm</td>
</tr>
<tr>
<td>0,3 µm</td>
</tr>
<tr>
<td>0,5 µm</td>
</tr>
<tr>
<td>1,0 µm</td>
</tr>
<tr>
<td>3,0 µm</td>
</tr>
<tr>
<td>5,0 µm</td>
</tr>
<tr>
<td>10,0 µm</td>
</tr>
</tbody>
</table>
Air-conditioner
Unique Selling Points

- Pressure drop (ΔP) measurement on the fresh air filter
- Pressure drop (ΔP) measurement on the process filter by ΔP transmitter.
- Electronic airflow measurement.
- Electronic Airduct resistance measurement.
- Cooling electrical cabinet
  By standalone cooler

Optional features:

- Coils
  Retractable and wet cleanable
- Cooling coil
  (also de-humidification) integrated
  - Water / propylene glycol coil based on temperatures 6/12 [°C]
- Heating by choice of three different types
  - Water coil based on temperatures 60/40 [°C];
  - Steam coil based on 100 [°C] at 1049 [mbar];
  - Electric Thyristor controlled;
- Humidifier
  - In case of factory supply of steam;
    injector 100 [kg/h] standard;
  - In case of stand-alone supply of steam;
    capacity of 30, 50 and 100 [kg/h] available;
- Power supply
  - 60 [Hz] CSA/UL certified
- Cooling electrical cabinet
  By a cooling coil, chilled water
- CO2 control
  * conditions at the control position.