Product Description

ML23 is a new flexible desiccant dehumidifier offering a lot of features that normally are options. As for other ML-units ML23 is designed to efficiently dehumidify in low moisture applications. The ML-series has a unique design. The air treatment is done in a closed durable thermoset plastic rotor casing to secure the high dehumidification efficiency. As standard the unit is supplied with a PLC-system with multifunctional display offering different control options. A number of alarm indicators is also standard as well as uptime counter. Another new feature is the service indicator on the control panel. The metal frame and access panels are produced from stainless steel. ML23 can be supplied with three different reactivation alternatives – electric, steam or gas. The electric system is designed for up to 500V and 60 °C. ML series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. An innovative control system maximises the units energy efficiency. A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

PRODUCT INFORMATION

ML23

Features

- Advanced control panel - diagnostic fault display.
- Unique plastic rotor casing - 100% corrosion resistance.
- Efficient dehumidification to -20°C.
- Dehumidifies to low dewpoint.
- Stainless steel construction.
Model ML23
Diagram measurements are for reference only.

Scaled and dimensioned drawings are available in Munters DryCap program.

<table>
<thead>
<tr>
<th>Width (A)</th>
<th>Depth (B)</th>
<th>Height (C)</th>
<th>Diam. (D)</th>
<th>Diam. (E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200 mm</td>
<td>870 mm</td>
<td>1640 mm</td>
<td>315 mm</td>
<td>200 mm</td>
</tr>
</tbody>
</table>

Dehumidification Capacity
Approximate capacity in kg/h at different inlet process air relative humidity, % RH.

Technical Specification

**Process air**
- Rated airflow (m³/h): 2300
- Available static pressure (Pa): 300

**Reactivation air**
- Rated airflow (m³/h): 850
- Available static pressure (Pa): 300

**Steam consumption (g/s)**
- 12

**Max steam working pressure (bar g)**
- 5

**Gas consumption (Nm³/h)**
- 2.2

**Natural gas pressure (mbar)**
- 20-100

**Max sulphur content (ppm) HPS Rotor**
- 30

**Miscellaneous data**
- Operating temperature (°C): -20/+40
- Max noise level unducted (dBA): 76
- Air filter standard: G3
- IEC protective class (unit): IP54
- IEC protective class (electrical panel): IP54

**Dehumidification Capacity**

<table>
<thead>
<tr>
<th>Process Air Temperature, °C</th>
<th>0,0</th>
<th>5,0</th>
<th>10,0</th>
<th>15,0</th>
<th>20,0</th>
<th>25,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>80% RH</td>
<td>-10</td>
<td>0</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>40% RH</td>
<td>0</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>60% RH</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>50</td>
<td>60</td>
</tr>
</tbody>
</table>

**Process Air Temperature, °C**

DH/MEA/PGB-0099--05/10