MX² 30
Dehumidifier

Product description

The MX² 30 combines traditional Munters strengths like efficiency and robustness with modern state of the art technology like modulating RH control and communication.

Low energy consumption and reliability are important in today's processes. Our modern control system together with high efficient fans which, meet the EU Ecodesign directive, supported with frequency converters give you numerous options to optimise your energy consumption. The Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP) is available as a standard option in order to save energy.

The MX² 30 is equipped with a number of alarm functions to ensure total control of the dehumidification process. Frame casing and outer panels are made of corrosion resistant AluZink and coated in RAL 7035.

The MX² 30 dehumidifier covers a wide range of needs by providing a variety of standard functions. The numerous options will allow pre- and post-treatment by simply adding mechanical and electrical components.

The MX² 30 can be supplied with 3 different reactivation alternatives - electrical, steam and gas. A service indicator activates when a preventative service is due, this is a standard feature. To make installation easier the process fan inlet has been designed to allow for different outlet positions.

The electrical equipment conforms to EN 60204 (IEC204). The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology

Munters desiccant rotors are highly effective moisture-absorbing substances. An option for the MX² series rotor technology is the ERP or EEP solution reducing the energy consumption.
Model MX² 30
Diagram measurements are for reference only.

<table>
<thead>
<tr>
<th>Height (C)</th>
<th>Dry air Width (A/D)</th>
<th>Wet air Depth (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1872mm</td>
<td>220x400mm</td>
<td>110x222mm</td>
</tr>
</tbody>
</table>

Technical Specification

**Process Air**
- Rated airflow (m³/h) 2700
- Available static pressure (Pa) 300
- Fan power (kW) 2.2

**Reactivation air**
- Rated airflow (m³/h) 900
- Fan Power (kW) 0.75
- Static Pressure at rated airflow (m³/h) 0.75

**Total power, voltage and current (amps/phase)**
- Total power (kW) Electrical 33.4
- Total power (kW) Steam/Gas 3.4
- 380V 3-50 Hz (A) Electrical 53
- 380V 3-50 Hz (A) Steam/Gas 7
- 400V 3-50 Hz (A) Electrical 50
- 400V 3-50 Hz (A) Steam/Gas 7
- 415V 3-50 Hz (A) Electrical 48
- 415V 3-50 Hz (A) Steam/Gas 7
- 440V 3-60 Hz (A) Electrical 46
- 440V 3-60 Hz (A) Steam/Gas 6
- Max steam working pressure (bar) (g) 7
- Gas consumption (m³/h) 2.95
- Natural gas pressure (mbar) 18-49
- Max sulphur content (ppm) HPS Rotor 30
- Steam consumption 3 bar (g/s) 14.1
- Steam consumption 5 bar (g/s) 14.4
- Total power with ERP, Electrical (kW) 28.4
- Steam consumption with ERP 3 bar (g) 11.7
- Gas consumption with ERP (m³/h) 2.46
- Moisture removal 20°C, 60% (kg/24hr) 535

Steam consumption with ERP 5 Bar (g) 12.0

**Miscellaneous Data**
- Operating temperature (°C) -20→40 dB, all inlets and outlets ducted
- IEC protective class (unit) 33
- IEC protective class (electrical panel) 54
- Filter class G3
- Motor winding insulation F

**Dehumidification Capacity**

Approximate capacity in kg/h at different inlet process air relative humidity % RH

**Options**
- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters M5, G4 or G4/F7 combination
- Heaters-gas, electric or steam
- Pre-react heaters - heat water or steam
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Touch screen display

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MX² 35
Dehumidifier

Product description

The MX² 35 combines traditional Munters strengths like efficiency and robustness with modern state of the art technology like modulating RH control and communication.

Low energy consumption and reliability are important in today’s processes. Our modern control system together with high efficient fans which, meet the EU Ecodesign directive, supported with frequency converters give you numerous options to optimise your energy consumption. The Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP) is available as a standard option in order to save energy.

The MX² 35 is equipped with a number of alarm functions to ensure total control of the dehumidification process. Frame casing and outer panels are made of corrosion resistant AluZink and coated in RAL 7035.

The MX² 35 dehumidifier covers a wide range of needs by providing a variety of standard functions. The numerous options will allow pre- and post-treatment by simply adding mechanical and electrical components.

The MX² 35 can be supplied with 3 different reactivation alternatives - electrical, steam and gas. A service indicator activates when a preventative service is due, this is a standard feature. To make installation easier the process fan inlet has been designed to allow for different outlet positions.

The electrical equipment conforms to EN 60204 (IEC204). The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology

Munters desiccant rotors are highly effective moisture-absorbing substances. An option for the MX² series rotor technology is the ERP or EEP solution reducing the energy consumption.
Model MX² 35

Diagram measurements are for reference only.

Height (C) 1909mm
Dry air 247x450mm
Wet air 154x250mm
Weight 492kg
Width (A/D) 1068/2297mm
Depth (B) 1091mm

Technical Specification

Process Air
Rated airflow (m³/h) 3500
Available static pressure (Pa) 300
Fan power (kW) 3

Reactivation air
Rated airflow (m³/h) 1080
Fan Power (kW) 1.1
Static Pressure at rated airflow (Pa) 300

Total power, voltage and current (amps/phase)
Total power (kW) Electrical 40.6
Total power (kW) Steam/Gas 4.6
Max sulphur content (ppm) HPS Rotor 30
380V 3-50 Hz (A) Electrical 64
380V 3-50 Hz (A) Steam/Gas 10
400V 3-50 Hz (A) Electrical 61
400V 3-50 Hz (A) Steam/Gas 9
415V 3-50 Hz (A) Electrical 59
415V 3-50 Hz (A) Steam/Gas 9
440V 3-60 Hz (A) Electrical 56
440V 3-60 Hz (A) Steam/Gas 8
Max steam working pressure (bar) (g) 7
Gas consumption (m³/h) 3.54
Natural gas pressure (mbar) 18-49
Max sulphur content (ppm) HPS Rotor 30
Steam consumption 3 bar (g/s) 16.9
Steam consumption 5 bar (g/s) 17.5
Total power with ERP, Electrical (kW) 40.6
Steam consumption with ERP 3 bar (g) 16.9
Gas consumption with ERP (m³/h) 3.54

Moisture removal 20°C, 60% (kg/24hr) 520
Steam consumption with ERP 5 Bar (g) 17.3

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity % RH

Options

- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters M5, G4 or G4/F7 combination
- Heaters, gas, electric or steam
- Pre-react heaters - heat water or steam
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Touch screen display

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MX² 40
Dehumidifier

Product description

The MX² 40 combines traditional Munters strengths like efficiency and robustness with modern state of the art technology like modulating RH control and communication.

Low energy consumption and reliability are important in todays processes. Our modern control system together with high efficient fans which, meet the EU Ecodesign directive, supported with frequency converters give you numerous options to optimise your energy consumption. The Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP) is available as a standard option in order to save energy.

The MX² 40 is equipped with a number of alarm functions to ensure total control of the dehumidification process. Frame casing and outer panels are made of corrosion resistant AluZink and coated in RAL 7035.

The MX² 40 dehumidifier covers a wide range of needs by providing a variety of standard functions. The numerous options will allow pre- and post-treatment by simply adding mechanical and electrical components.

The MX² 40 can be supplied with 3 different reactivation alternatives - electrical, steam and gas. A service indicator activates when a preventative service is due, this is a standard feature. To make installation easier the process fan inlet has been designed to allow for different outlet positions.

The electrical equipment conforms to EN 60204 (IEC204). The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology

Munters desiccant rotors are highly effective moisture-absorbing substances. An option for the MX² series rotor technology is the ERP or EEP solution reducing the energy consumption.
Model MX² 40

Diagram measurements are for reference only.

Height (C)  1909mm
Dry air  247x450mm
Wet air  154x250mm
Weight  557kg
Width (A/D)  1068/2297mm
Depth (B)  1091mm

Technical Specification

**Process Air**
- Rated airflow (m³/h) 4000
- Available static pressure (Pa) 300
- Fan power (kW) 3

**Reactivation air**
- Rated airflow (m³/h) 1260
- Fan Power (kW) 1.1
- Static Pressure at rated airflow (m³/h) 300

**Total power, voltage and current (amps/phase)**
- Total power (kW) Electrical: 46.6
- Max sulphur content (ppm) HPS Rotor: 30
- 380V 3-50 Hz (A) Electrical: 74
- 380V 3-50 Hz (A) Steam/Gas: 10
- 400V 3-50 Hz (A) Electrical: 70
- 400V 3-50 Hz (A) Steam/Gas: 9
- 415V 3-50 Hz (A) Electrical: 67
- 415V 3-50 Hz (A) Steam/Gas: 9
- 440V 3-60 Hz (A) Electrical: 63
- 440V 3-60 Hz (A) Steam/Gas: 8
- Max steam working pressure (bar) (g): 7
- Gas consumption (m³/h): 4.13
- Natural gas pressure (mbar): 18-49
- Max sulphur content (ppm) HPS Rotor: 30
- Steam consumption 3 bar (g/s): 19.7
- Steam consumption 5 bar (g/s): 20.1
- Total power with ERP, Electrical (kW): 40.6
- Steam consumption with ERP 3 bar (g): 16.9
- Gas consumption with ERP (m³/h): 3.54

**Miscellaneous Data**
- Operating temperature (ºC): -20 to 40
- Sound power level to room Lw(A) dB, all inlets and outlets ducted: 85
- IEC protective class (unit): 33
- IEC protective class (electrical panel): 54
- Filter class: G4
- Motor winding insulation: F

**Options**
- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters M5, G4 or G4/F7 combination
- Heaters-gas, electric or steam
- Pre-react heaters - heat water or steam
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Touch screen display

**Dehumidification Capacity**

Approximate capacity in kg/h at different inlet process air relative humidity % RH

**Moisture removal 20°C, 60% (kg/24hr):**
- 768
- Steam consumption with ERP 5 Bar (g): 17.3

**Gas consumption (m³/h):**
- 4.13

**Steam consumption 3 bar (g):**
- 19.7

**Steam consumption with ERP 3 bar (g):**
- 16.9

**Gas consumption with ERP (m³/h):**
- 3.54

Subject to change without notice
MX² 55
Dehumidifier

Product description
The MX² 55 combines traditional Munters strengths like efficiency and robustness with modern state of the art technology like modulating RH control and communication.

Low energy consumption and reliability are important in todays processes. Our modern control system together with high efficient fans which, meet the EU Ecodesign directive, supported with frequency converters give you numerous options to optimise your energy consumption. The Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP) is available as a standard option in order to save energy.

The MX² 55 is equipped with a number of alarm functions to ensure total control of the dehumidification process. Frame casing and outer panels are made of corrosion resistant AluZink and coated in RAL 7035.

The MX² 55 dehumidifier covers a wide range of needs by providing a variety of standard functions. The numerous options will allow pre- and post-treatment by simply adding mechanical and electrical components.

The MX² 55 can be supplied with 3 different reactivation alternatives - electrical, steam and gas. A service indicator activates when a preventative service is due, this is a standard feature. To make installation easier the process fan inlet has been designed to allow for different outlet positions.

The electrical equipment conforms to EN 60204 (IEC204). The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology
Munters desiccant rotors are highly effective moisture-absorbing substances. An option for the MX² series rotor technology is the ERP or EEP solution reducing the energy consumption.

PRODUCT INFORMATION
MX² 55
Features
- Efficient dehumidification between -20°C and 40°C
- Modulating humidity control including wet air temp sensor
- Communication and external control options
- Filter and rotor stop alarm as standard
- Energy saving options
- Service and running indicator alarm as external indicators
Model MX² 55
Diagram measurements are for reference only.

<table>
<thead>
<tr>
<th>Height (C)</th>
<th>Dry air</th>
<th>Wet air</th>
<th>Weight</th>
<th>Width (A/D)</th>
<th>Depth (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1909mm</td>
<td>247x450mm</td>
<td>154x250mm</td>
<td>492kg</td>
<td>1068/2297mm</td>
<td>1091mm</td>
</tr>
</tbody>
</table>

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

Technical Specification
Steam consumption with ERP 5 Bar (g) 17.3

Process Air
Rated airflow (m³/h) 5500
Available static pressure (Pa) 300
Fan power (kW) 3

Reactivation air
Rated airflow (m³/h) 1080
Fan Power (kW) 1.1
Static Pressure at rated airflow (m³/h) 300

Total power, voltage and current (amps/phase)
Total power (kW) Electrical 40.6
Total power (kW) Steam/Gas 4.6
380V 3-50 Hz (A) Electrical 64
380V 3-50 Hz (A) Steam/Gas 10
400V 3-50 Hz (A) Electrical 61
400V 3-50 Hz (A) Steam/Gas 9
415V 3-50 Hz (A) Electrical 59
415V 3-50 Hz (A) Steam/Gas 9
440V 3-60 Hz (A) Electrical 56
440V 3-60 Hz (A) Steam/Gas 8
Max steam working pressure (bar) (g) 7
Gas consumption (m³/h) 3.54
Natural gas pressure (mbar) 18-49
Max sulphur content (ppm) HPS Rotor 30
Steam consumption 3 bar (g/s) 16.9
Steam consumption 5 bar (g/s) 17.5
Total power with ERP, Electrical (kW) 40.6
Steam consumption with ERP 3 bar (g) 16.9
Gas consumption with ERP (m³/h) 3.54
Moisture removal 20°C, 60% (kg/24hr) 660

Miscellaneous Data
Motor winding insulation F

Options
- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters M5, G4 or G4/F7 combination
- Heaters-gas, electric or steam
- Pre-react heaters - heat water or steam
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Touch screen display

Model MX² 55
Diagram measurements are for reference only.

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

Technical Specification
Steam consumption with ERP 5 Bar (g) 17.3

Process Air
Rated airflow (m³/h) 5500
Available static pressure (Pa) 300
Fan power (kW) 3

Reactivation air
Rated airflow (m³/h) 1080
Fan Power (kW) 1.1
Static Pressure at rated airflow (m³/h) 300

Total power, voltage and current (amps/phase)
Total power (kW) Electrical 40.6
Total power (kW) Steam/Gas 4.6
380V 3-50 Hz (A) Electrical 64
380V 3-50 Hz (A) Steam/Gas 10
400V 3-50 Hz (A) Electrical 61
400V 3-50 Hz (A) Steam/Gas 9
415V 3-50 Hz (A) Electrical 59
415V 3-50 Hz (A) Steam/Gas 9
440V 3-60 Hz (A) Electrical 56
440V 3-60 Hz (A) Steam/Gas 8
Max steam working pressure (bar) (g) 7
Gas consumption (m³/h) 3.54
Natural gas pressure (mbar) 18-49
Max sulphur content (ppm) HPS Rotor 30
Steam consumption 3 bar (g/s) 16.9
Steam consumption 5 bar (g/s) 17.5
Total power with ERP, Electrical (kW) 40.6
Steam consumption with ERP 3 bar (g) 16.9
Gas consumption with ERP (m³/h) 3.54
Moisture removal 20°C, 60% (kg/24hr) 660

Miscellaneous Data
Motor winding insulation F

Options
- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters M5, G4 or G4/F7 combination
- Heaters-gas, electric or steam
- Pre-react heaters - heat water or steam
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Touch screen display
MX² 60
Dehumidifier

Product description
The MX² 60 combines traditional Munters strengths like efficiency and robustness with modern state of the art technology like modulating RH control and communication.

Low energy consumption and reliability are important in todays processes. Our modern control system together with high efficient fans which, meet the EU Ecodesign directive, supported with frequency converters give you numerous options to optimise your energy consumption. The Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP) is available as a standard option in order to save energy.

The MX² 60 is equipped with a number of alarm functions to ensure total control of the dehumidification process. Frame casing and outer panels are made of corrosion resistant AluZink and coated in RAL 7035.

The MX² 60 dehumidifier covers a wide range of needs by providing a variety of standard functions. The numerous options will allow pre- and post-treatment by simply adding mechanical and electrical components.

The MX² 60 can be supplied with 3 different reactivation alternatives - electrical, steam and gas. A service indicator activates when a preventative service is due, this is a standard feature. To make installation easier the process fan inlet has been designed to allow for different outlet positions.

The electrical equipment conforms to EN 60204 (IEC204). The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology
Munters desiccant rotors are highly effective moisture-absorbing substances. An option for the MX² series rotor technology is the ERP or EEP solution reducing the energy consumption.
Model MX² 60

Diagram measurements are for reference only.

<table>
<thead>
<tr>
<th>Height (C)</th>
<th>Dry air</th>
<th>Wet air</th>
<th>Weight</th>
<th>Width (A/D)</th>
<th>Depth (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2214mm</td>
<td>273x500mm</td>
<td>185x400mm</td>
<td>721kg</td>
<td>1068/2416mm</td>
<td>1307mm</td>
</tr>
</tbody>
</table>

Technical Specification

Process Air
Rated airflow (m³/h) 6000
Available static pressure (Pa) 300
Fan power (kW) 7.5

Reactivation air
Rated airflow (m³/h) 1980
Fan Power (kW) 1.5
Static Pressure at rated airflow (m³/h) 300

Total power, voltage and current (amps/phase)
Total power (kW) Electrical 75.5
Total power (kW) Steam/Gas 9.5
380V 3-50 Hz (A) Electrical 119
380V 3-50 Hz (A) Steam/Gas 19
400V 3-50 Hz (A) Electrical 113
400V 3-50 Hz (A) Steam/Gas 18
415V 3-50 Hz (A) Electrical 109
415V 3-50 Hz (A) Steam/Gas 17
440V 3-60 Hz (A) Electrical 103
440V 3-60 Hz (A) Steam/Gas 16
Max steam working pressure (bar) 7
Gas consumption (m³/h) 6.5
Natural gas pressure (mbar) 18-49
Max sulphur content (ppm) HPS Rotor 30
Steam consumption 3 bar (g/s) 30.9
Steam consumption 5 bar (g/s) 31.6
Total power with ERP, Electrical (kW) 69.5
Steam consumption with ERP 3 bar (g) 28.1
Gas consumption with ERP (m³/h) 5.91
Moisture removal 20°C, 60% (kg/24hr) 1220

Miscellaneous Data
Sound power level to room Lw(A) 87 dB, all inlets and outlets ducted
IEC protective class (unit) 33
IEC protective class (electrical panel) Filter class G4
Motor winding insulation F

Options
- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters M5, G4 or G4/F7 combination
- Heaters-gas,electric or steam
- Pre-react heaters - heat water or steam
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Touch screen display

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity % RH

Steam consumption with ERP 5 Bar (g) 28.8

Process air temperature °C

Subject to change without notice

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MX² 80
Dehumidifier

Product description
The MX² 80 combines traditional Munters strengths like efficiency and robustness with modern state of the art technology like modulating RH control and communication.

Low energy consumption and reliability are important in today's processes. Our modern control system together with high efficient fans which, meet the EU Ecodesign directive, supported with frequency converters give you numerous options to optimise your energy consumption. The Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP) is available as a standard option in order to save energy.

The MX² 80 is equipped with a number of alarm functions to ensure total control of the dehumidification process. Frame casing and outer panels are made of corrosion resistant AluZink and coated in RAL 7035.

The MX² 80 dehumidifier covers a wide range of needs by providing a variety of standard functions. The numerous options will allow pre- and post-treatment by simply adding mechanical and electrical components.

The MX² 80 can be supplied with 3 different reactivation alternatives - electrical, steam and gas. A service indicator activates when a preventative service is due, this is a standard feature. To make installation easier the process fan inlet has been designed to allow for different outlet positions.

The electrical equipment conforms to EN 60204 (IEC204). The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology
Munters desiccant rotors are highly effective moisture-absorbing substances. An option for the MX² series rotor technology is the ERP or EEP solution reducing the energy consumption.
Model MX² 80

Diagram measurements are for reference only.

Height (C) 2214mm
Dry air 273x500mm
Wet air 231x450mm
Weight 729kg
Width (A/D) 1068/2489mm
Depth (B) 1307mm

Technical Specification

Process Air
Rated airflow (m³/h) 8000
Maximum static pressure (Pa) 300
Fan power (kW) 7.5

Reactivation air
Rated airflow (m³/h) 2520
Fan Power (kW) 2.2
Static Pressure at rated airflow (m³/h) 300

Total power, voltage and current (amps/phase)
Total power (kW) Electrical 94.2
Total power (kW) Steam/Gas 10.2
380V 3-50 Hz (A) Electrical 148
380V 3-50 Hz (A) Steam/Gas 20
400V 3-50 Hz (A) Electrical 141
400V 3-50 Hz (A) Steam/Gas 19
415V 3-50 Hz (A) Electrical 135
415V 3-50 Hz (A) Steam/Gas 18
440V 3-60 Hz (A) Electrical 128
440V 3-60 Hz (A) Steam/Gas 17
Max steam working pressure (bar) (g) 7
Gas consumption (m³/h) 8.27
Natural gas pressure (mbar) 18-49
Max sulphur content (ppm) HPS Rotor 30
Steam consumption 3 bar (g/s) 39.4
Steam consumption 5 bar (g/s) 40.3
Total power with ERP, Electrical (kW) 88.2
Steam consumption with ERP 3 bar (g) 36.6
Gas consumption with ERP (m³/h) 7.68
Moisture removal 20°C, 60% (kg/24hr) 1550

Steam consumption with ERP 5 Bar (g) 37.4

Miscellaneous Data
Operating temperature (°C) -20 to +40
Sound power level to room Lw(A) 90
IEC protective class (unit) 33
IEC protective class (electrical panel) 54
Filter class G4
Motor winding insulation F

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity % RH

Options

- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters M5, G4 or G4/F7 combination
- Heat-gas, electric or steam
- Pre-react heaters - heat water or steam
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Touch screen display

Subject to change without notice
MX² 95
Dehumidifier

Product description

The MX² 95 combines traditional Munters strengths like efficiency and robustness with modern state of the art technology like modulating RH control and communication.

Low energy consumption and reliability are important in today’s processes. Our modern control system together with high efficient fans which, meet the EU Ecodesign directive, supported with frequency converters give you numerous options to optimise your energy consumption. The Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP) is available as a standard option in order to save energy.

The MX² 95 is equipped with a number of alarm functions to ensure total control of the dehumidification process. Frame casing and outer panels are made of corrosion resistant AluZink and coated in RAL 7035.

The MX² 95 dehumidifier covers a wide range of needs by providing a variety of standard functions. The numerous options will allow pre- and post-treatment by simply adding mechanical and electrical components.

The MX² 95 can be supplied with 3 different reactivation alternatives - electrical, steam and gas. A service indicator activates when a preventative service is due, this is a standard feature. To make installation easier the process fan inlet has been designed to allow for different outlet positions.

The electrical equipment conforms to EN 60204 (IEC204). The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology

Munters desiccant rotors are highly effective moisture-absorbing substances. An option for the MX² series rotor technology is the ERP or EEP solution reducing the energy consumption.
Model MX² 95

Diagram measurements are for reference only.

Height (C) 2214mm
Dry air 273x500mm
Wet air 185x400mm
Weight 673kg
Width (A/D) 1068/2416mm
Depth (B) 1307mm

Technical Specification

Process Air
Rated airflow (m³/h) 9500
Available static pressure (Pa) 300
Fan power (kW) 7.5

Reactivation air
Rated airflow (m³/h) 1800
Fan Power (kW) 1.5
Static Pressure at rated airflow (m³/h) 300

Total power, voltage and current (amps/phase)
Total power (kW) Electrical 69.5
Total power (kW) Steam/Gas 9.5
380V 3-50 Hz (A) Electrical 110
380V 3-50 Hz (A) Steam/Gas 19
400V 3-50 Hz (A) Electrical 105
400V 3-50 Hz (A) Steam/Gas 18
415V 3-50 Hz (A) Electrical 101
415V 3-50 Hz (A) Steam/Gas 17
440V 3-60 Hz (A) Electrical 95
440V 3-60 Hz (A) Steam/Gas 16
Max steam working pressure (bar) (g) 7
Gas consumption (m³/h) 5.91
Natural gas pressure (mbar) 18-49
Max sulphur content (ppm) HPS Rotor 30
Steam consumption 3 bar (g/s) 28.1
Steam consumption 5 bar (g/s) 28.8
Total power with ERP, Electrical (kW) 69.5
Steam consumption with ERP 3 bar (g) 28.1
Gas consumption with ERP (m³/h) 5.91
Moisture removal 20°C, 60% (kg/24hr) 1150
Steam consumption with ERP 5 Bar (g) 28.8

Miscellaneous Data
Operating temperature (°C) -20 - +40
Sound power level to room Lw(A) 90
IEC protective class (unit) 33
IEC protective class (electrical panel) 54
Filter class G4
Motor winding insulation F

Options
• Bypass
• Communication via Modbus, BACnet or Lon
• Dewpoint sensor
• Energy Efficiency Purge (EEP)
• Energy Recovery Purge (ERP)
• External controls
• Filters M5, G4 or G4/F7 combination
• Heaters-gas, electric or steam
• Pre-react heaters - heat water or steam
• Insulated process air inlet
• Mirror handed
• Stainless steel casing
• Touch screen display

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity % RH

Options
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