

OMF 4000i

FibreDrain® oil mist collector for continuous operation.



Nederman OMF oil mist eliminators are designed to handle large amounts of emulsion mist during continuous operation. They are developed with focus on high efficient filtration together with low maintenance cost.


Nederman OMF 4000i has as standard 3 filter-stages where the first stage consists of filter cassettes with Nederman's FibreDrain® technology. Nederman have a wide range of different types of filters to suit many different kind of applications. The third stage consists of a HEPA filter in filter class H13 with an efficiency of 99,95% for MPPS according to EN1822. All tower built Nederman OMF units are prepared for use of pre filter. OMF 4000i have 2 built-in radial fans.

- Three filter stages, optional pre-filter
- Gauges for reading of pressure drop over each filter stage
- Extension legs
- Two inlet \varnothing 315 mm with clamp ring connection
- Starter and motor protection included

| | |
|------------------------------------|---|
| Product name | OMF 4000i |
| Standard | 2009/125/EC |
| Volume (for shipping) (m³) | 4.13 |
| Noise level (dB(A)) | 50 Hz: 67 dB(A) @1,5 m from service side 60 Hz: 69 dB(A) @1,5 m from service side |
| Protection class | IP55 |
| Filter efficiency (%) | 99,95 |
| Installation | [Indoor] |
| Material | Sheet metal, painted both in- and outside. |
| Filter cleaning method | Self-Draining |
| Working pressure (kPa) | Max 2500 Pa |
| Capacity (max airflow m³/h) | 4000 |
| Operating Temperature | 40 deg C (inbuilt fan) |
| Power Voltage (V) | 230/400 |
| Frequency (Hz) | 50 |
| No of phases | 3 |
| Number of filter elements | 6 |
| Amperage (A) | 2 x 7,6 / 4,4 |
| Colour | NCS-S 1005 B20G |
| Weight (kg) | 400 |
| Power (kW) | 2 x 2,2 |
| Note | Plus 2 optional filter elements. Incl extension legs. Power 2 x 2,2 kW. Amperage 2 x 7,6/4,4 A. |



OMF 4000i

| [image] | Description | [model] |
|---|---|-----------|
|  | OMF 4000i, Inlet 2 x ø 315 mm clamp ring left or right. Drain 2 x 1" Female | 12400848* |

**Plus 2 optional filter elements. Incl extension legs.
Power 2 x 2,2 kW. Amperage 2 x 7,6/4,4 A.*

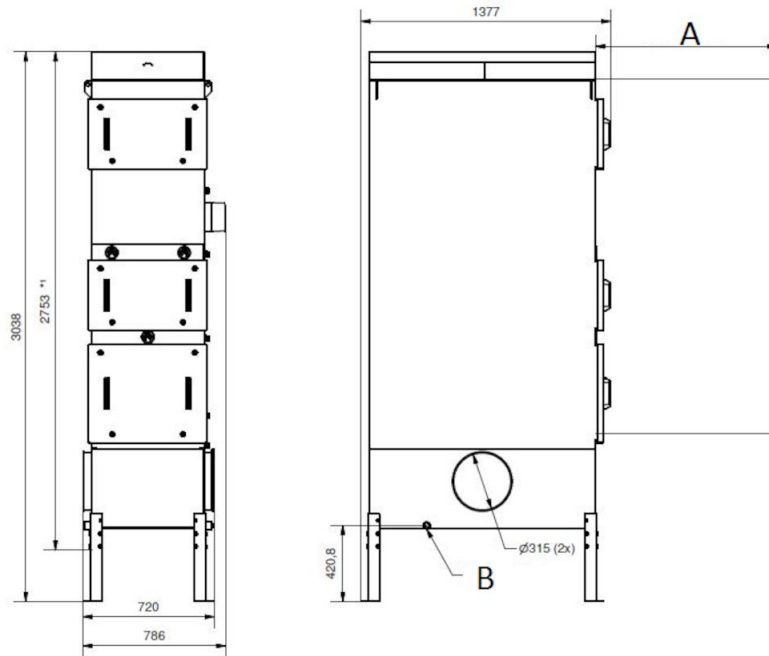
OMF 4000i

| | [accessory] | [partno] |
|---|--|------------|
|  | Drain pump box, 50 Hz | 12400054* |
|  | Drain container with piping | 12400764** |
|  | Frequency Inverter 5,5 kW incl transmitter 0 - 2 kPa | 12400855 |
|  | Optional FibreDrain Pre Filter ORF 610x610x96 mm. | 12400039 |
|  | FibreDrain Filter 1 OMF; 600x600x292 mm | 12400009 |
|  | FibreDrain Filter 2 OMF; 600x600x292 mm | 12400010 |
|  | HEPA Filter H13; 610x610x292 mm | 12400012 |
|  | Outlet transition, ø 315 mm for OSF2000i / OMF4000i | 12400907 |
|  | Outlet transition, ø 400 mm for OSF2000i / OMF4000i | 12400908 |
|  | Outlet transition, ø 450 mm for OSF2000i / OMF4000i | 12400909 |
|  | Outlet transition, ø 500 mm for OSF2000i / OMF4000i | 12400997 |
|  | Drain pump box, 50 Hz, 10 litre/min at 10m, including controller | 12401330 |
|  | OMF/OSF/MQL mounting system for electrical components | 12401341 |

*Drain connection must be elevated min 200 mm from pump box support level

**Drain connection must be elevated min 420mm from container support level

OMF 4000i



A) 1000 mm filter service space

B) Drain stud (x2)