Nederman

EN

# User Manual

## Fume Eliminator

# GoMax


**Original user manual**

EN USER MANUAL

2025-05-08

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# Declaration of Conformity

We, AB Ph. Nederman & Co., declare under our sole responsibility that the Nederman product:
GoMax (Part No. **, and stated versions of **) to which this declaration relates, is in conformity with the relevant Union harmonisation legislation and standards:

**Regulations**
(EU) 2023/1230

**Directives**
2014/30/EU, 2011/65/EU

**Standards**
EN 60204-1:2018, EN ISO 12100:2010, EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019, EN ISO 21904-1:2020, EN ISO 20607:2019

The name and signature at the end of this document is the person responsible for both the declaration of conformity and the technical file.

| ** |
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| 70843000, 70843010, 70843020, 70843030, 70843040, 70843050 |

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Product Center Manager
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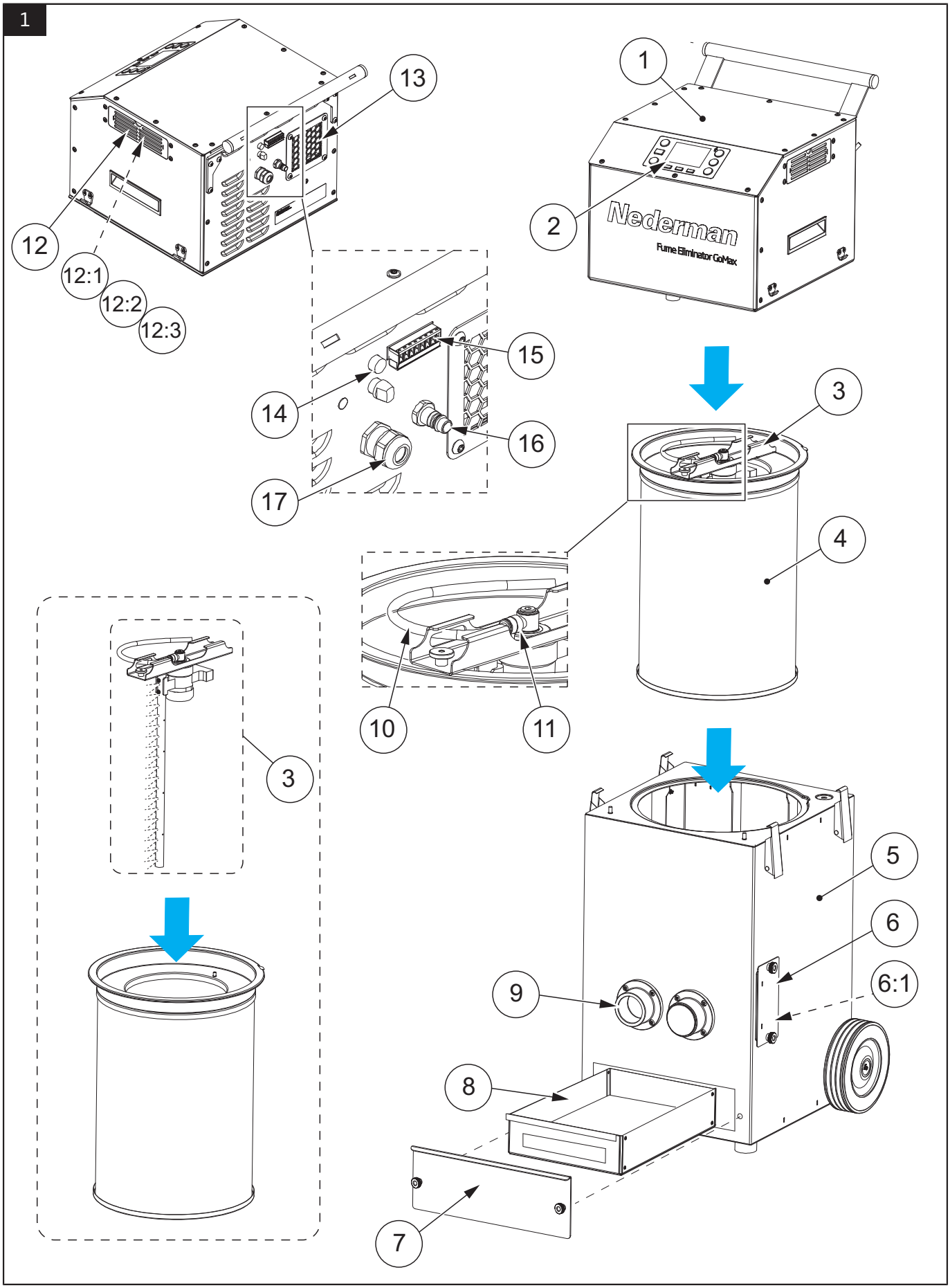
2025-05-08 (Working)

CE

# Images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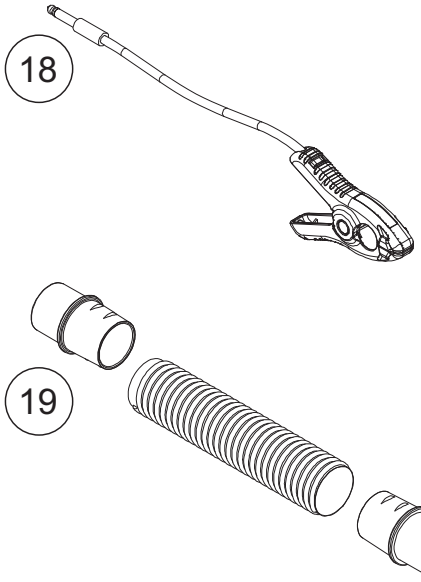


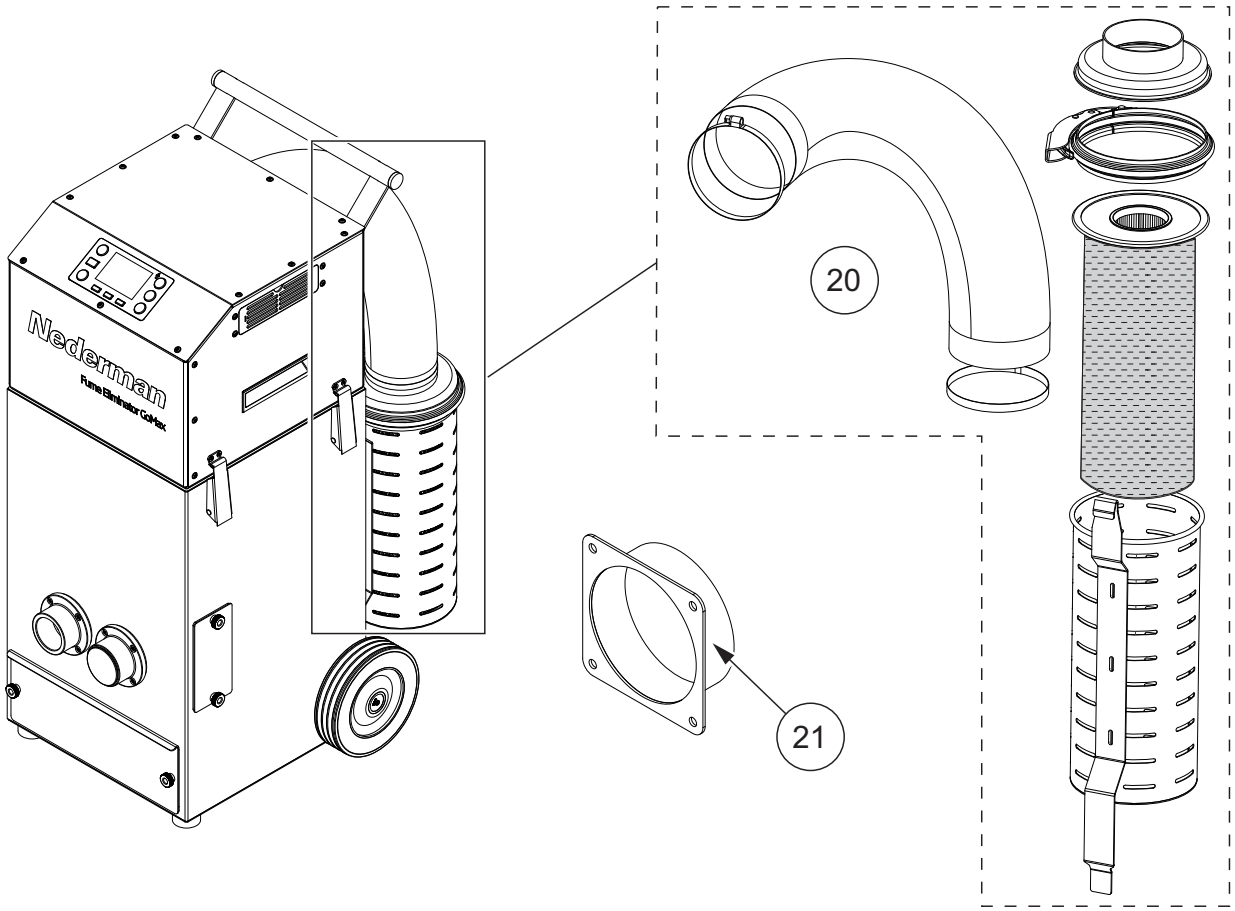

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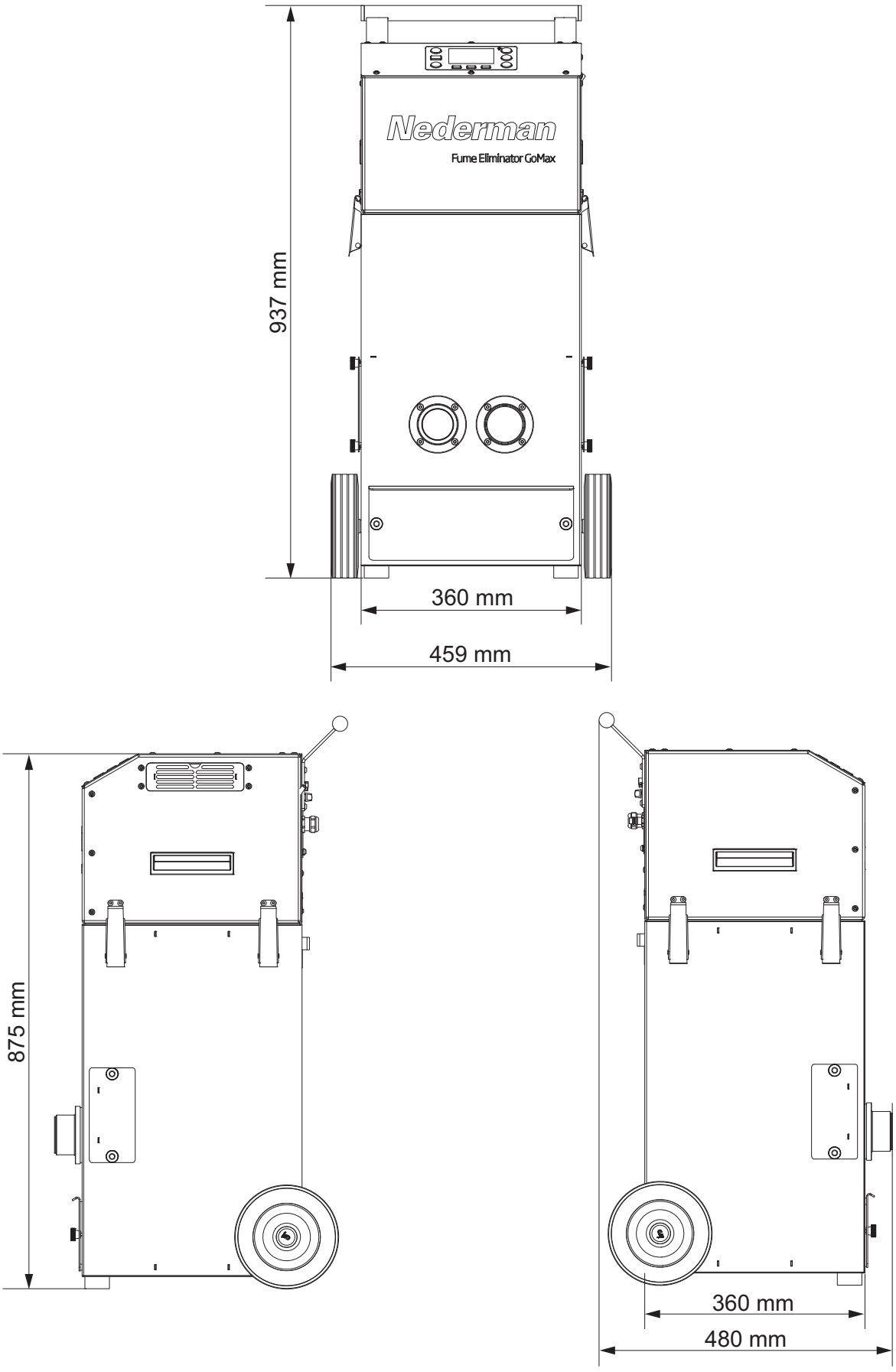
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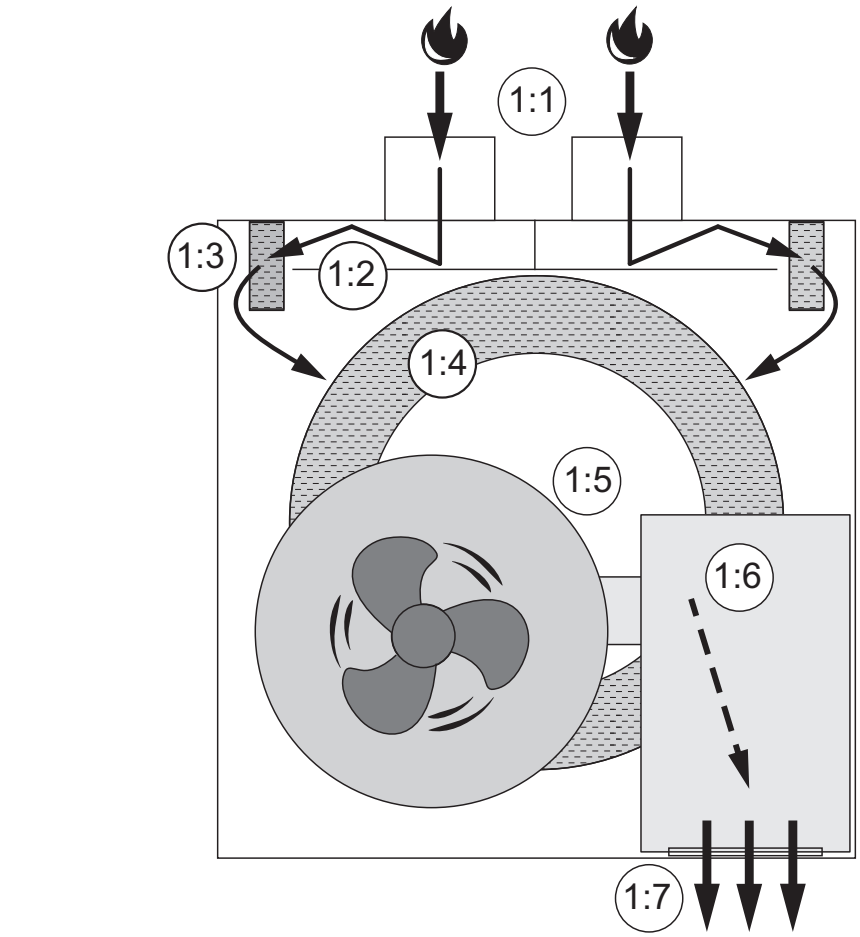


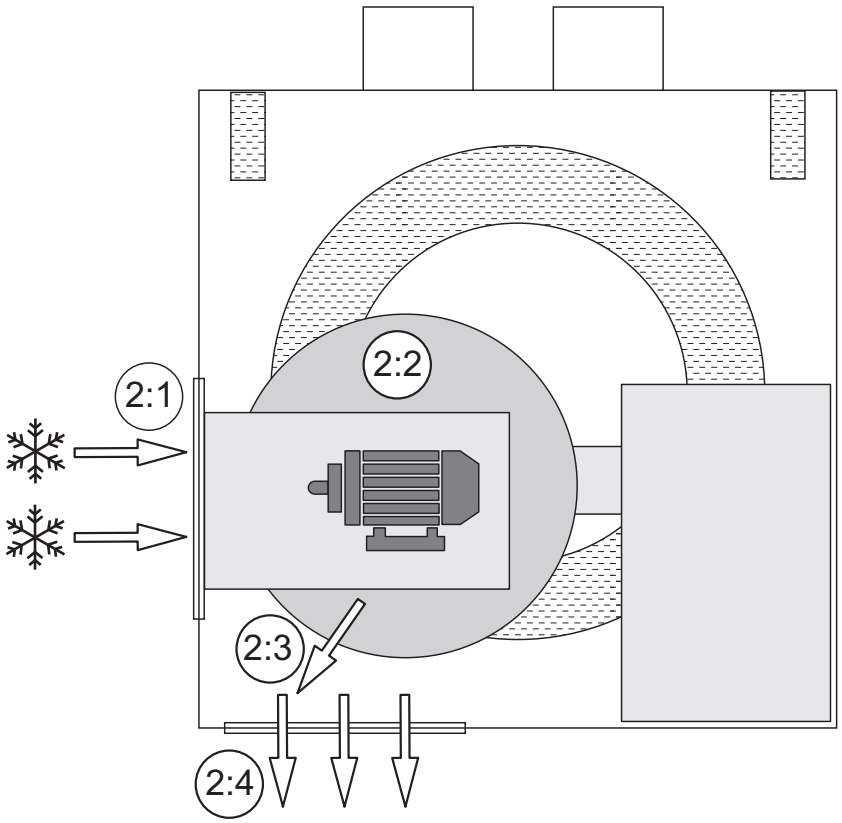

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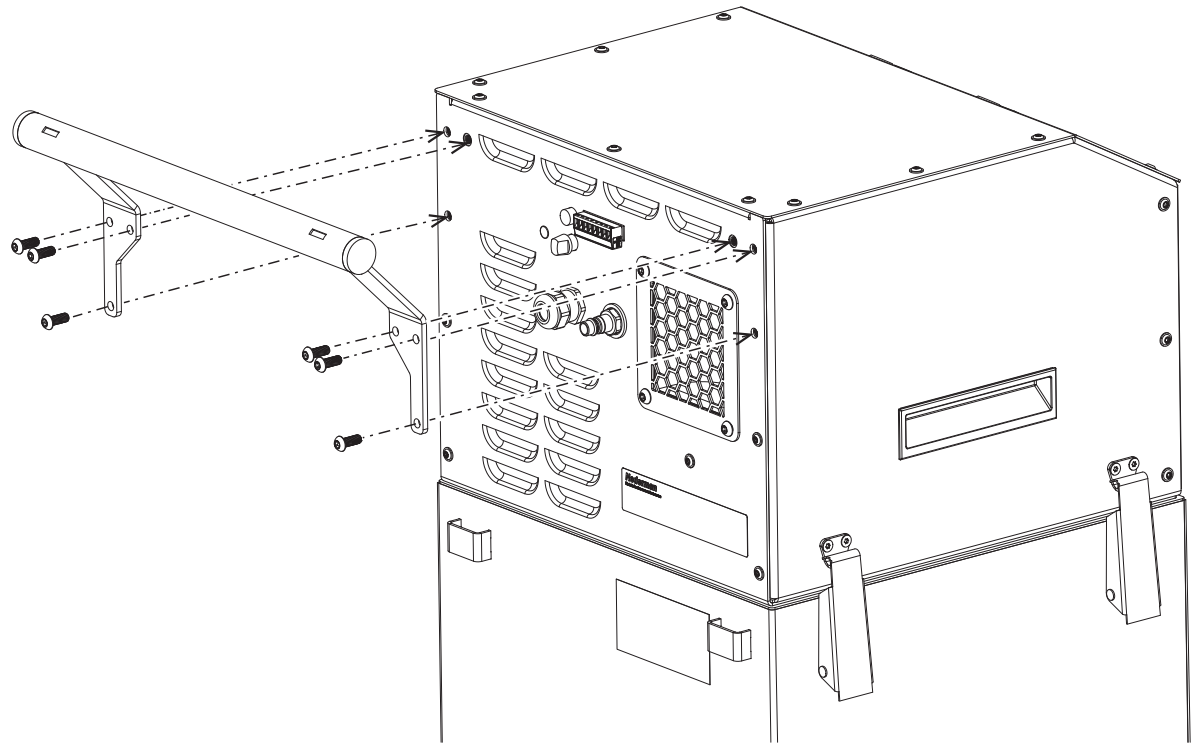

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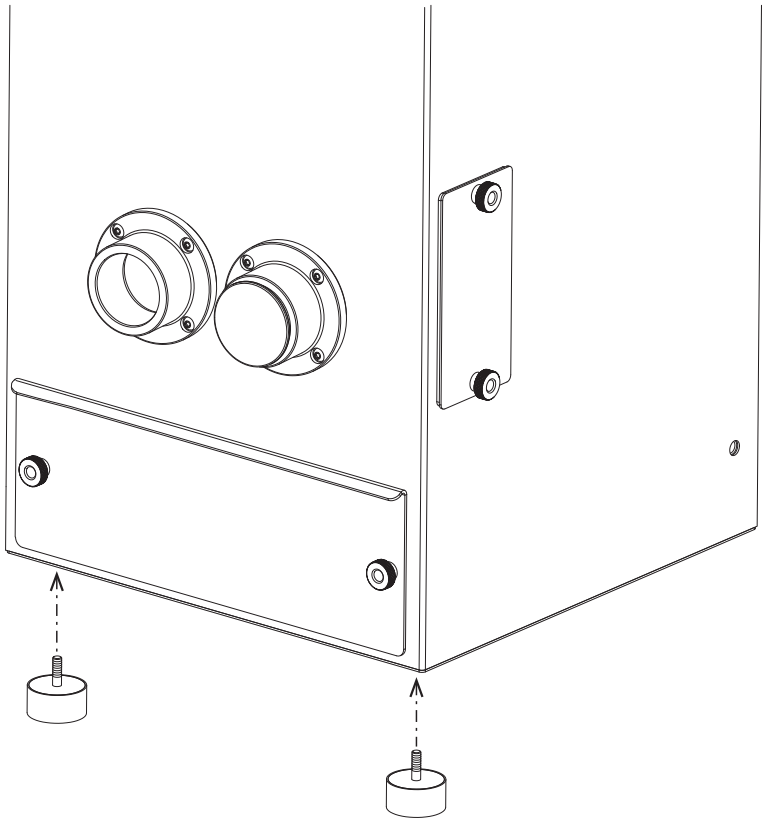

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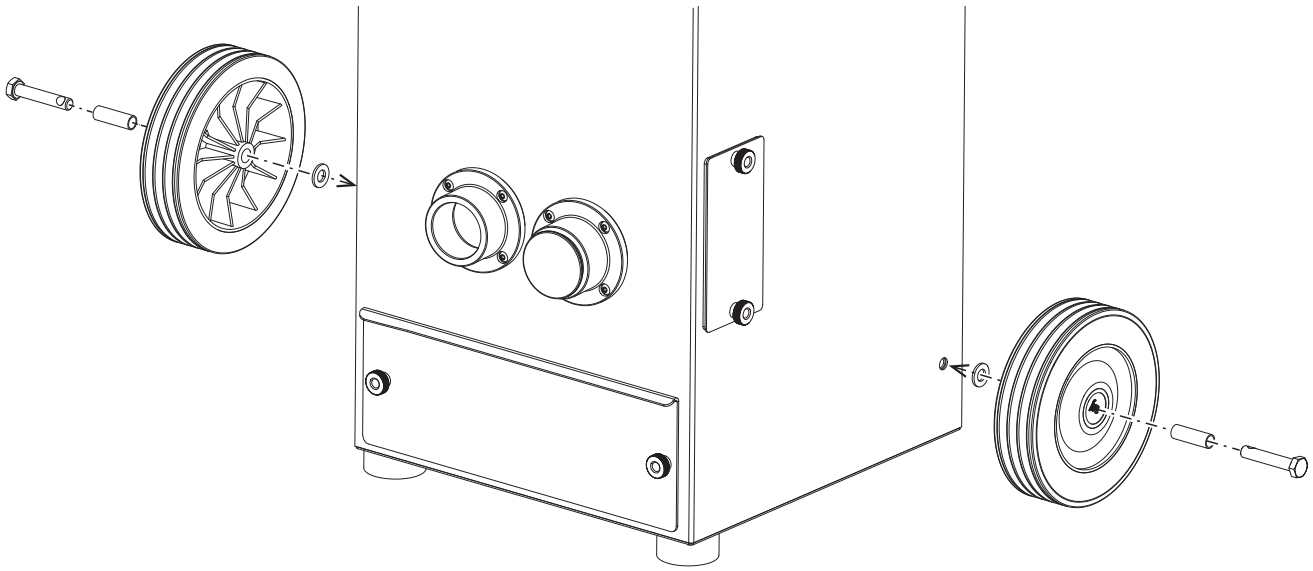

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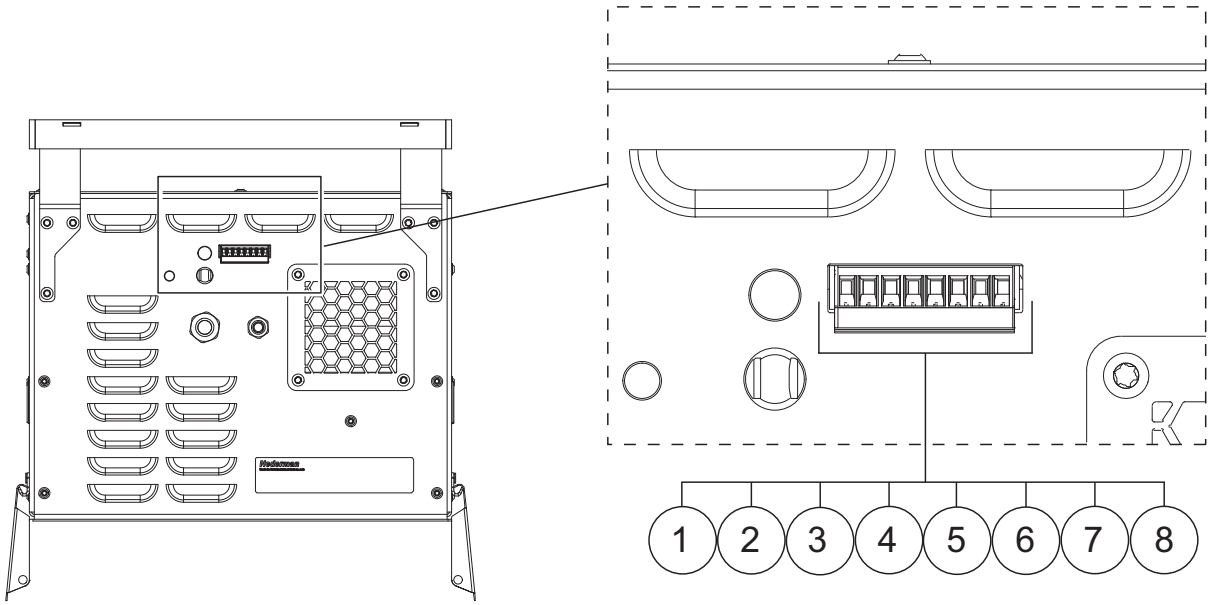

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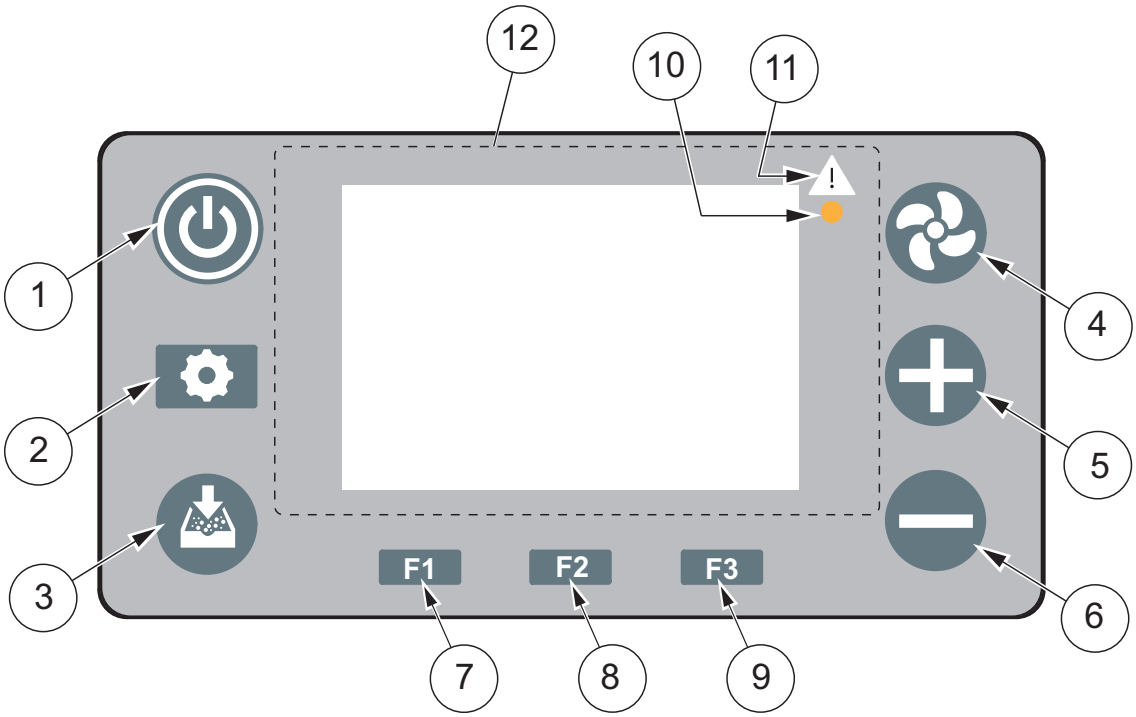

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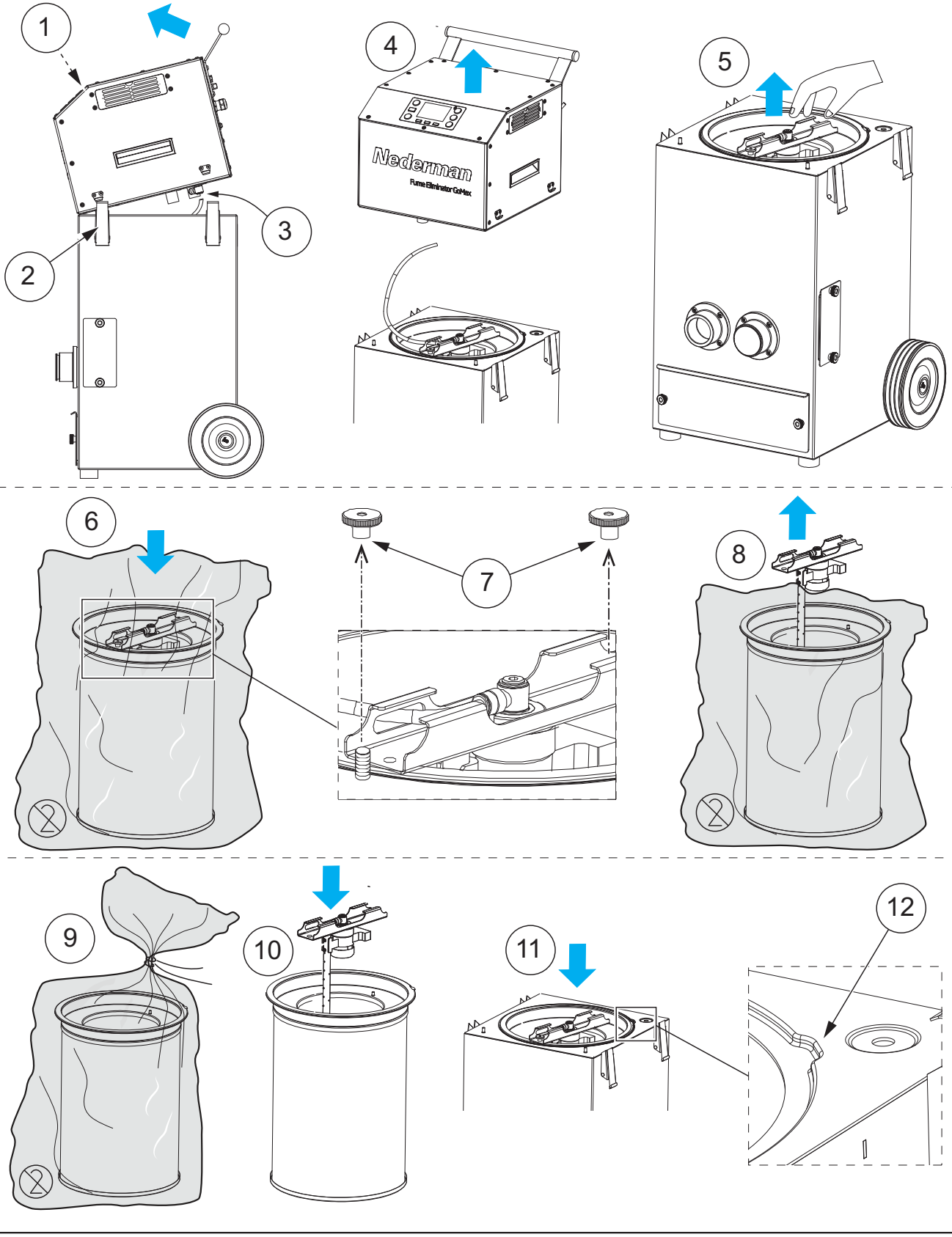

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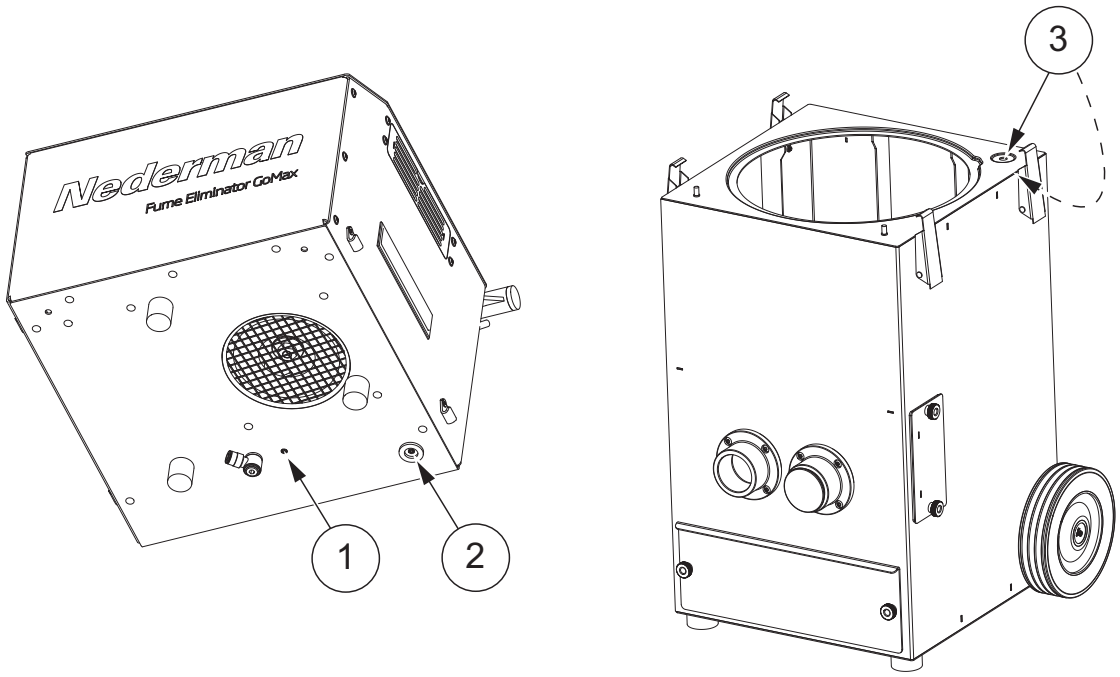
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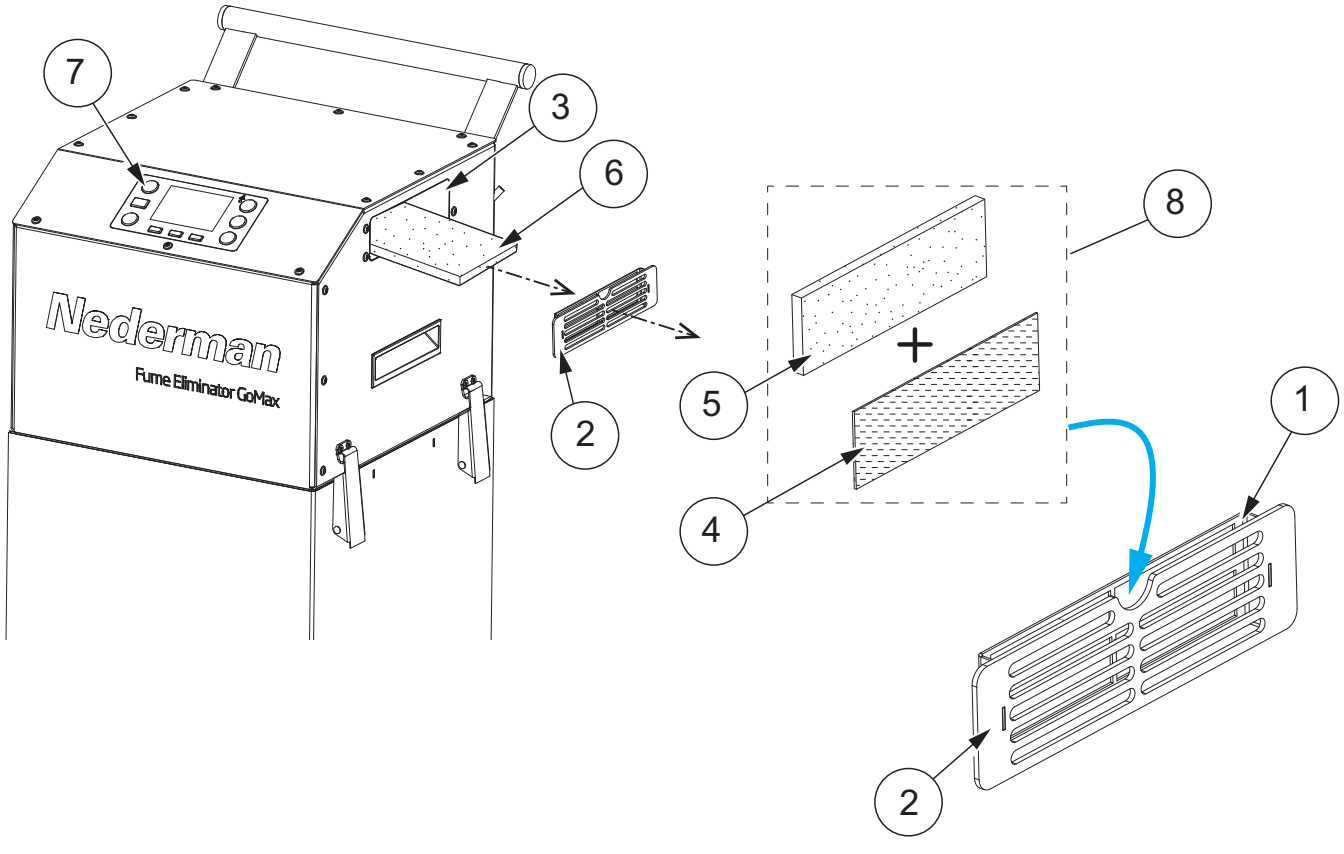
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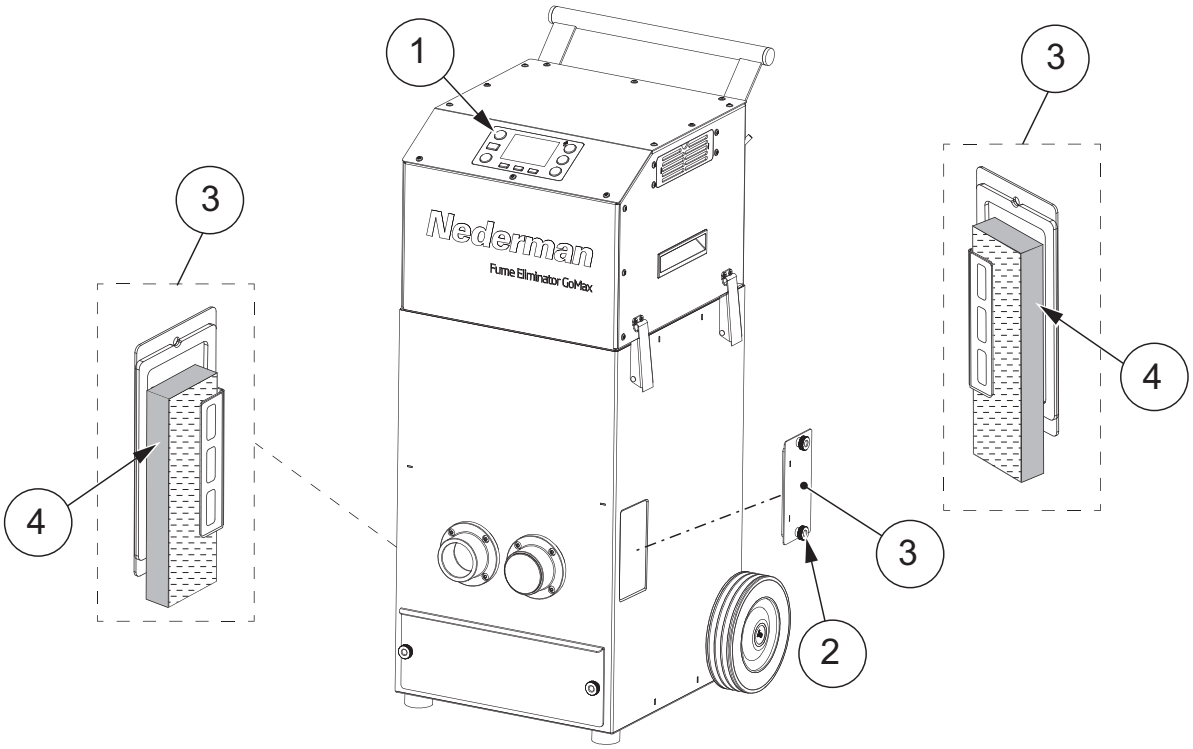


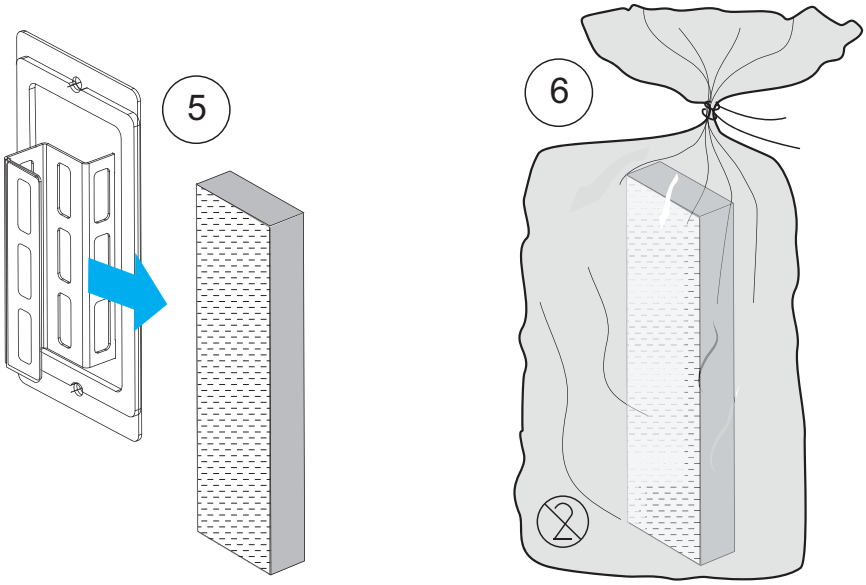

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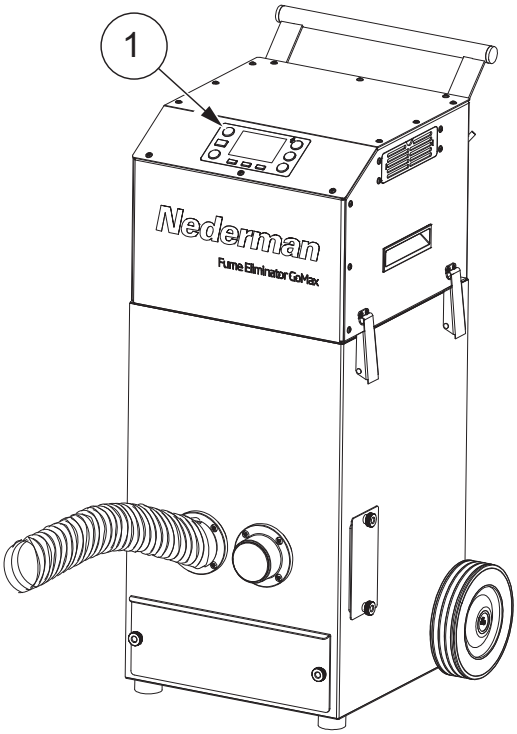


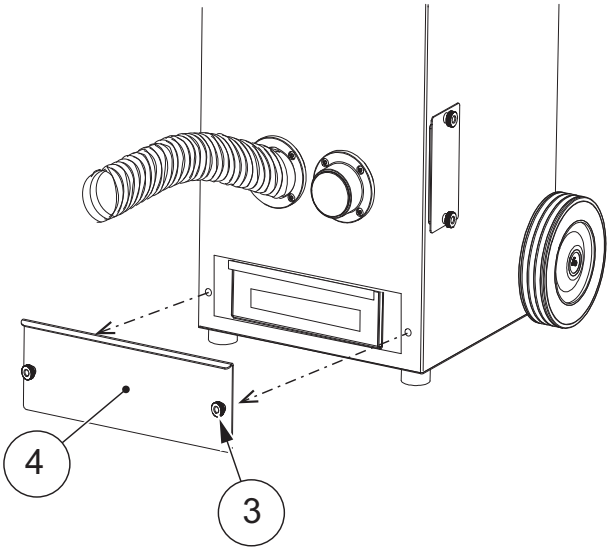


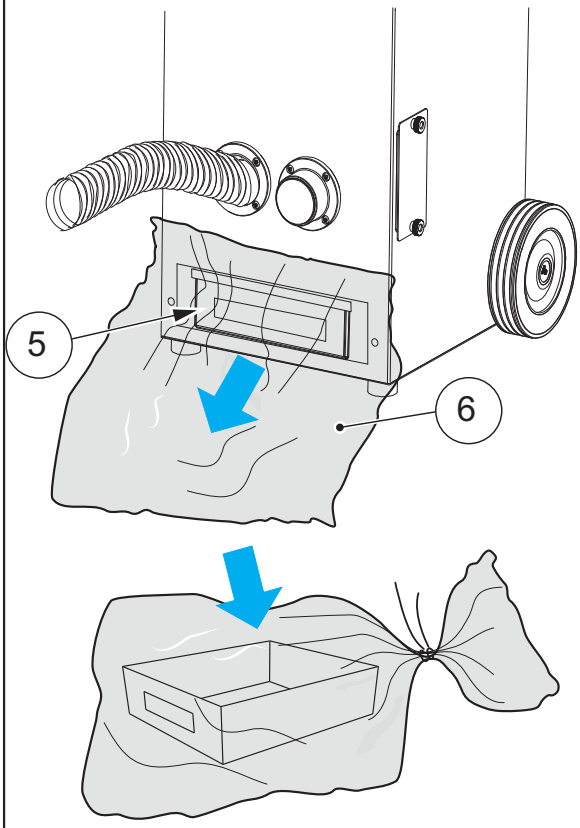


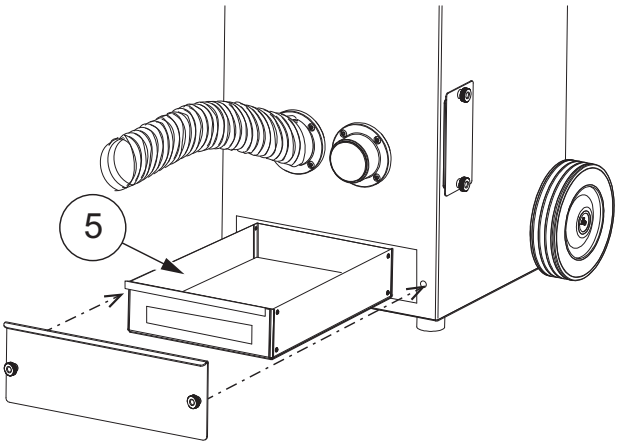

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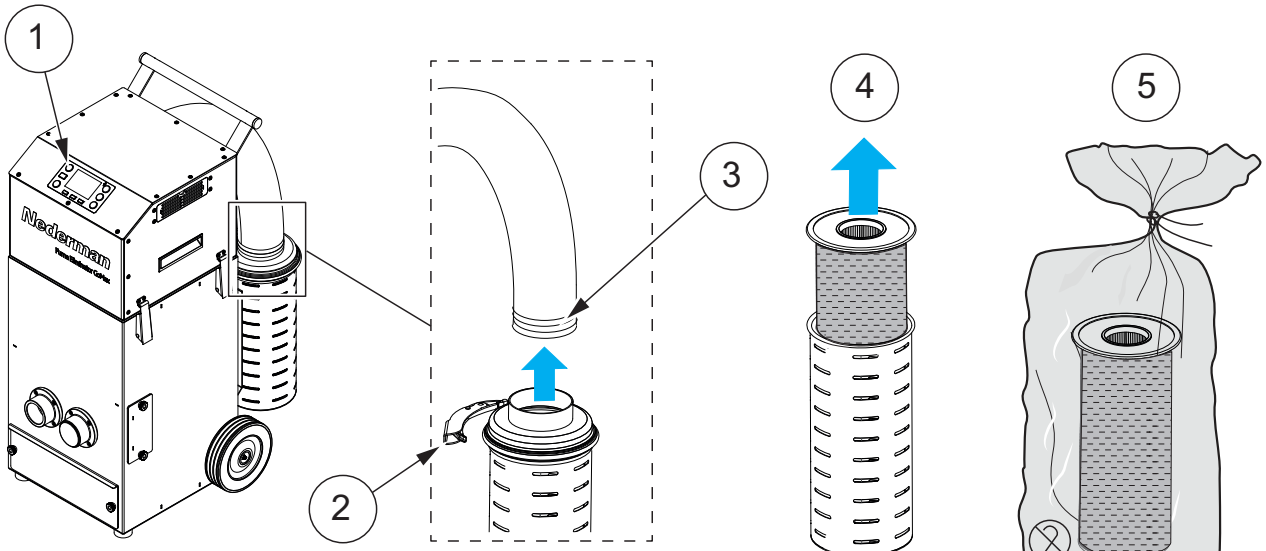


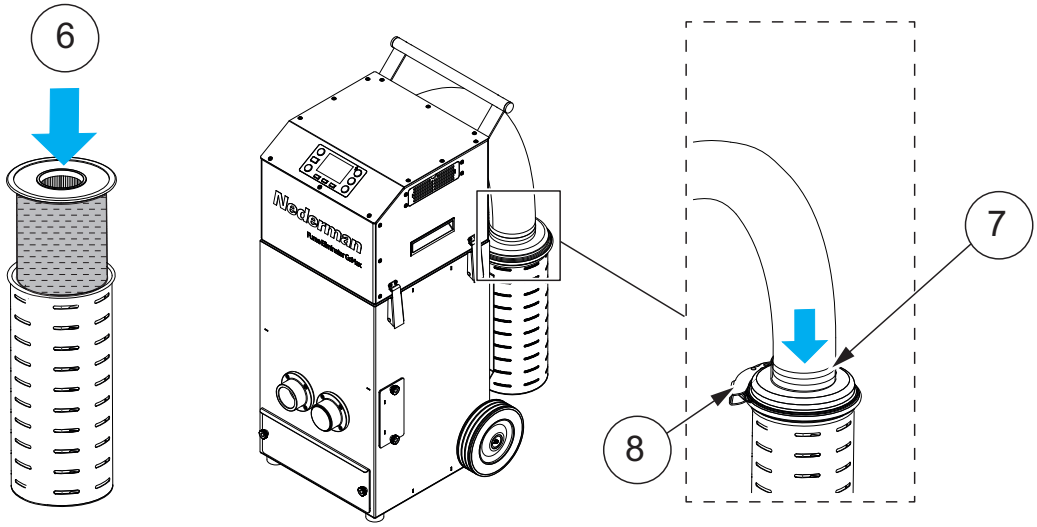

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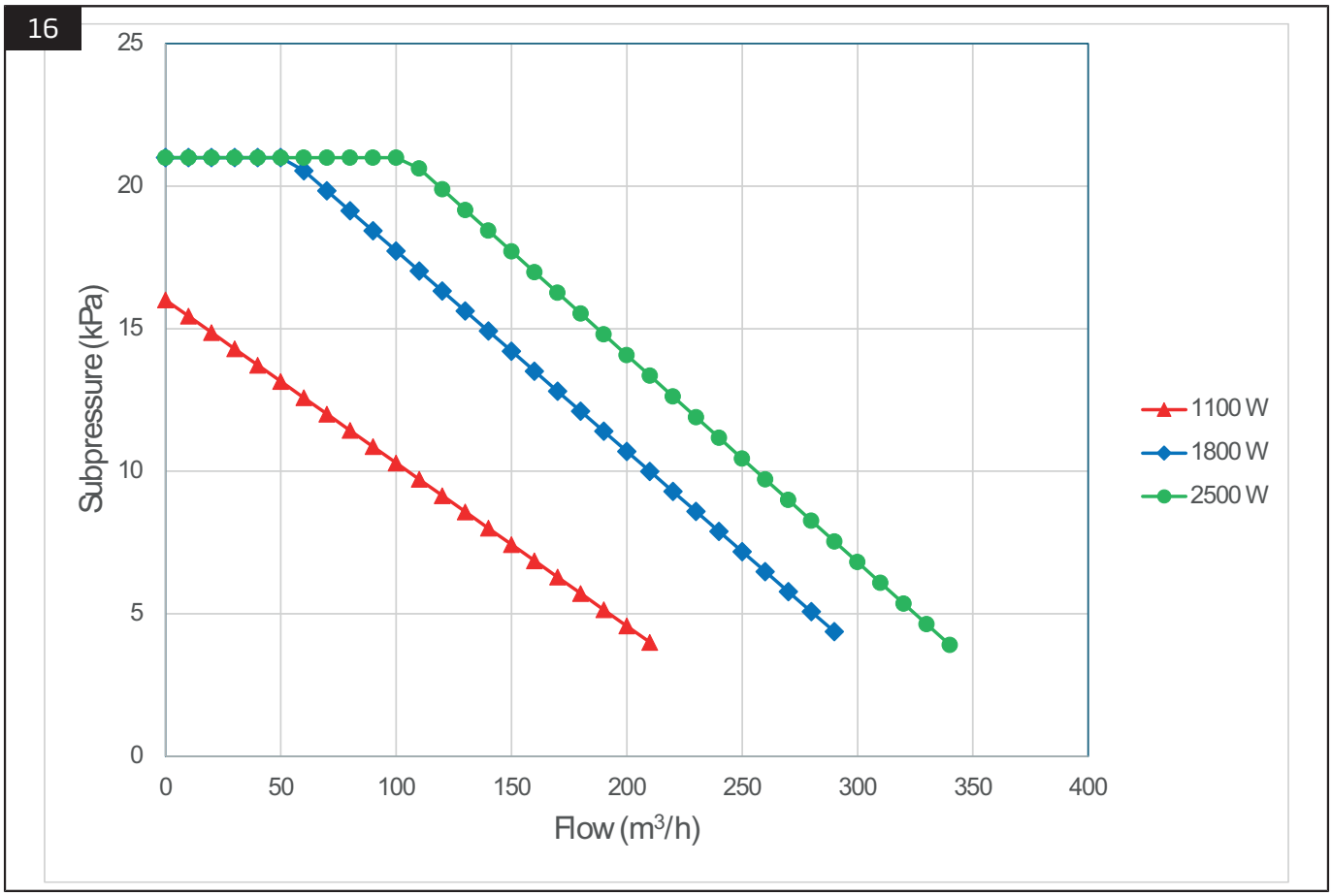
25
20
15
10
5
0
Subpressure (kPa)
0
50
100
150
200
250
300
350
400
Flow (m3/h)
1100 W
1800 W
2500 W

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# English
User Manual

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# 1 Preface

Thank you for using a Nederman product!

The Nederman Group is a world-leading supplier and developer of products and solutions for the environmental technology sector. Our innovative products will filter, clean and recycle in the most demanding of environments. Nederman's products and solutions will help you improve your productivity, reduce costs and also reduce the impact on the environment from industrial processes.

Read all product documentation and the product identification plate carefully before installation, use, and service of this product. Replace documentation immediately if lost. Nederman reserves the right, without previous notice, to modify and improve its products including documentation.

This product is designed to meet the requirements of relevant EC directives. To maintain this status, all installation, maintenance, and repair is to be done by qualified personnel using only Nederman original spare parts and accessories. Contact the nearest authorized distributor or Nederman for advice on technical service and obtaining spare parts. If there are any damaged or missing parts when the product is delivered, notify the carrier and the local Nederman representative immediately.

# 2 Safety

## 2.1 Classification of important information

This document contains important information that is presented either as a warning, caution or note, according to the following examples:

**WARNING! Risk of personal injury**
Warnings indicate a potential hazard to the health and safety of personnel, and how that hazard may be avoided.

**CAUTION! Risk of equipment damage**
Cautions indicate a potential hazard to the product but not to personnel, and how that hazard may be avoided.

**NOTE!**
Notes contain other information that is important for personnel.

## 2.2 General safety instructions

**WARNING! Risk of fire and explosion**

- Do not use the product for flammable or explosive dust and gases.
- Do not use the product in an environment where there is a danger of explosion, or where there is dust or gases in explosive concentrations.
- If the product has been used for dust applications, do not use it for welding fumes or grinding dust.
- Do not use the product for extracting toxic substances (except welding fumes).
- Only use the product in a well-ventilated room.
- In case of fire, smoke from the product may contain hazardous substances such as burning polycarbonate, PVC, polyethylene, etc. Also, hazardous smoke from the separated dust may occur depending on the material being separated.
- In case of fire, disconnect power to the product at the mains. Use a fire extinguisher, minimum class AB.
- Check that no sparks or objects that can cause fire are sucked into the nozzle. For welding applications generating a high amount of sparks, spark protection must be mounted inside reduce the risk of fire.

**WARNING! Risk of personal injury**
Only properly trained personnel are allowed to use this product.

**CAUTION! Risk of equipment damage**
Store GoMax indoors in a dry environment.

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## 2.3 Safety signs and symbols

| Sign | Description | Sign | Description |
|---|---|---|---|
|  | General warning sign. |  | Disconnect mains plug from electrical outlet. |
|  | Wear a face mask. |  | Wear eye protection. |
|  | Wear protective gloves. |  | Wear ear protection. |
|  | Do not reuse. | - | - |

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# 3 Description

## 3.1 Intended use

GoMax is a mobile high vacuum fume eliminator that filters out pollutants such as fumes and dust, class W3.

It is suitable for welding fumes containing CMR (carcinogenic mutagenic reprotoxic) substances, e.g. generated by welding high alloyed steels or welding consumables with more than 5 % (Cr, Ni).

**NOTE!**
- Gases are not filtered out.
- Do not use the GoMax as a common vacuum cleaner as large objects may obstruct or damage the filters.

## 3.2 Foreseen misuse

**WARNING! Risk of personal injury**
The GoMax is not intended for handling combustible dust.

## 3.3 Main parts

See Image 1 and Image 2.

| Position | Description | Position | Description |
|---|---|---|---|
| 1 | Motor top. | 12 | Cooling air intake with filters. |
| 2 | Operator panel. | 12:1 | Protective metal mesh filter. |
| 3 | Cleaning unit. | 12:2 - 12:3 | Particle filters. |
| 4 | Main filter. | 13 | Exhaust air outlet. |
| 5 | Vacuum cabinet. | 14 | Connection welding clamps. |
| 6 | Cover plate for spark filter (x2). | 15 | Connection robot mode. |
| 6:1 | Spark filter (x2), (optional). | 16 | Connection compressed air. |
| 7 | Cover plate for dust container. | 17 | Connection mains power cable. |
| 8 | Dust container. | 18 | Current sensor clamp. |
| 9 | Suction hose connection. | 19 | Suction hose with end connections. |
| 10 | Compressed air hose (cleaning unit). | 20 | HEPA filter (optional). |
| 11 | Connection compressed air (cleaning unit). | 21 | Outlet flange, for outlet hose, (optional). |

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## 3.4 Functional description

See Image 1 and Image 2 for main part overviews.

See Image 4 for air flow overviews. The overviews are only schematic and viewed from the top down.

| Position | Description |
|---|---|
| 1:1 | Welding fumes enter through the suction hose which is connected to one of the suction hose inlets on the front of the unit. |
| 1:2 | A separator plate redirects the airflow 90 degrees, this reduces the number of sparks reaching further in to the unit. |
| 1:3 - 1:4 | The welding fumes continue through the spark filter and goes further in and up through the main filter. |
| 1:5 | After the main filter, clean air passes further up through the blower. |
| 1:6 | From the blower, the clean air is directed into and through the sound muffler. |
| 1:7 | Exhaust air leaves through the exhaust air outlet at the back of the unit. |

| Position | Description |
|---|---|
| 2:1 | The blower motor is air-cooled, and the cooling air enters through the air intake, with filters, on the side of the unit. |
| 2:2 | The cooling air flow is directed down and into the blower motor housing. |
| 2:3 - 2:4 | Used cooling air is discharged from the blower and further out through the ventilation grille on the back of the unit. |

## 3.5 Technical data

| GoMax | |
|---|---|
| Dimensions | See Image 3 |
| Noise level at 100% motor power | 70-78 dB(A) at 1 m, (ISO 11201)Depending on variation in motor load, flow and pressure. |
| Weight | 42,5 kg |
| Ambient temperature, storage | -20°C - 60°C |
| Ambient temperature, operation | 0°C - 40°C |
| Maximum altitude | 1000 m above sea level, will work above, but performance can be significantly effected. |
| Maximum relative humidity (to both storage and operation). | 95% |
| Voltage | 120 V AC<br>230 V AC<br>3~400 V AC |
| Maximum amperage | 120 V / 14 A |

| GoMax | |
|---|---|
| | 230 V / 13,5 A<br>400 V / 5,2 A |
| Power | 120 V / >1100 W (14 A)<br>230 V / 1800 W<br>400 V / 2500 W |
| Maximum vacuum | Software limit set to 22 kPa |
| Motor type | Brushless |
| Blower type | Tangential discharge, 2 stage |
| Capacity (airflow) | See Image 16.<br>**1800 W:**<br>94 $m^3$/h @ 18 kPa<br>245 $m^3$/h @ 5 kPa<br>**2500 W:**<br>142 $m^3$/h @ 18 kPa<br>280 $m^3$/h @ 5 kPa |
| Filter area | 7,2 $m^2$ |
| Filter technology | Nano treated cellulose |
| Filtration efficiency | W3 compliant >99% (ISO 21904-1) |
| Filter cleaning | Automatic, with pressurized air ~6-7 Bar |
| Compressed air, incoming | 6-8 Bar, maximum 8 Bar |
| Protection class | IP44 |

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# 4 Installation

**NOTE!**
Check the GoMax for any damage that may have occurred during transport. If there is damage or parts missing, notify the carrier and your local Nederman representative immediately.

## 4.1 Transport

- It is recommended to transport the GoMax to the installation site while it is still in its factory packaging.
- If the GoMax needs to be transported with a fork lift, ensure that the forks protrude on the opposite side, so that there is equilibrium before lifting.

## 4.2 Assembly before operation

There are some parts that need to be assembled on the unit before it is ready to use. These are handle, feet and wheels.

Follow the steps below for a correct assembly.

**WARNING! Risk of personal injury**
- To avoid heavy lifting, two people are needed for lifting the unit off the pallet, or use lifting equipment suitable for the purpose.
- Take necessary precautions to avoid crushing injuries. To facilitate and for safety reasons it is a recommendation to be two people during assembly.

1 See Image 5. Start with the assembly of the handle. This makes the unit easier to handle. Use the mounting kit provided.

2 See Image 6. Tilt the unit backwards and assemble the rubber feet in the threaded holes. Use medium-strength thread locking.

3 See Image 7. Tilt the unit forward, leaning against the rubber feet. Assemble the wheels. Use the mounting kit provided.

## 4.3 Connections before operation

See Image 1.

Before operation, the following connections must be made:
- Compressed air, on the back of the unit (16).
- Connect the mains power cable (17) to wall outlet.
- Suction hose to one of, or both suction hose inlets on the front of the unit (9), block the inlet not in use.
- Welding clamp, on the back of the unit (14).
- Ensure that the main filter is correctly fitted and without visible damage.

### 4.3.1 Connections for robotic operation

See Image 8.

Connections for robotic operation is made on the back of the unit.

| Connection No | Description |
|---|---|
| 1 | Alarm output.<br>Normally open. |
| 2 | Alarm output.<br>Common. |
| 3 | Alarm output.<br>Normally closed. |
| 4 | Protective earth. |

| Connection No | Description |
|---|---|
| 5 | Incoming signal.<br>Speed control (rpm). 0-10 V. |
| 6 | Outgoing signal.<br>Voltage, 12 V. Maximun 50 mA. |
| 7 - 8 | Incoming signals.<br>Voltage over connection 7 = 0V.<br>Voltage over connection 8 = 12-24 V (blower on).<br>Voltage over connection 8 = 0 V (blower off). |

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# 5 Operation

## 5.1 Operator panel

See Image 9.

All functions are controlled from the operator panel on the top of the unit. The operator panel consists of push buttons (1-9) for function selections.

Symbols and warnings messages is shown on the display and screen area (10-12).

### 5.1.1 Push buttons

| Symbol | Position | Function / Description |
|---|---|---|
|  | 1 | Power button, illuminated.<br>Switches between ON (idle) and OFF. |
|  | 2 | Settings.<br>Access to settings menu. |
|  | 3 | Main filter cleaning.<br>Forces start of the main filter cleaning cycle manually. |
|  | 4 | Blower.<br>Starts the blower. Works in manual mode only. |
|  | 5 | Increase blower speed.<br>Works in manual and automatic mode. |
|  | 6 | Decrease blower speed.<br>Works in manual and automatic mode. |
| F1 | 7 | Function selection 1.<br>Selects work mode. Toggles between manual, automatic and robot mode. |
| F2 | 8 | Function selection 2.<br>Content depends on selections made under settings. |
| F3 | 9 | Function selection 3.<br>Content depends on selections made under settings. |

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### 5.1.2 Display and screen messages

| Symbol | Position | Function / Description |
|---|---|---|
| Yellow diode | 10 | Lights up simultaneously with the general warning sign, more information below. |
|  | 11 | General warning sign.<br>Indicates at the following warning message:<br>• Main filter full.<br>• Dust container full.<br>• Leakage.<br>• Blockage.<br>• Not able to reach setpoint. |
|  | 12<br>(screen area) | Fume extraction torch.<br>Indicates when connected (grey colour) and active (blue colour). |
|  | 12<br>(screen area) | Outlet hose.<br>Indicates when calculation for outlet hose is active with hose connected and the setting HOSE as outlet is activated in the settings menu. |
|  | 12<br>(screen area) | HEPA filter.<br>Indicates when calculation for HEPA is active and the setting HEPA as outlet is activated in the settings menu. |
|  | 12<br>(screen area) | Main filter cleaning.<br>Indicates when active. |
|  | 12<br>(screen area) | Main filter.<br>Indicates when the main filter needs to be replaced. |
|  | 12<br>(screen area) | Dust container fill level.<br>Indicates when the dust container fill level is calculated. The pie charts fills up as the operating time approach the user-defined dust container timer. When the circle is filled, the dust container needs to be checked and emptied if needed. |

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## 5.2 Settings

Enter the settings menu with the push button. Refer to 5.1.1 Push buttons. Use the up and down arrows on the screen to navigate, confirm the current selection with enter.

Setpoint value is shown in yellow and current value once reached setpoint is shown in green. Current value out of setpoint is shown in red.

The following settings can be made under the settings menu.

| Settings parameters | Description |
|---|---|
| Auto Off Delay. | Default setting: 45 seconds.<br>Possible range: 0-60 seconds.<br>Delayed shut off in automatic and robot mode. |
| Displayed Value. | Default setting: Metric.<br>Toggles between the Metric and Imperial system. |
| Dust Container Timer. | Default setting: 400 hours.<br>Possible range: 0-800 hours.<br>Used for empty dust container warning. |
| Language. | Default setting: English.<br>Only abbreviations are visible on the display.<br>Selectable languages:<br>Eng (= English)<br>Swe (= Swedish)<br>Nor (= Norwegian )<br>Fin (= Finnish)<br>Dan (= Danish)<br>Ger (= German)<br>Fre (= French)<br>Ita (= Italian)<br>Spa (= Spanish)<br>Pol (= Polish)<br>Por (=Portugese)<br>Cze (= Czech)<br>Dut (= Dutch)<br>Hun (= Hungarian) |
| Output Peripheral. | Default setting: None.<br>Toggles between None, Hose and HEPA.<br>Sets the current configuration on the operator panel and adjusts airflow calculation. |
| Reset Default Settings. | A soft-reset for all menu values. Does not affect e.g. alarms or counter. Needs to be confirmed if selected. |

## 5.3 Manual mode

**WARNING! Risk of personal injury**
- Always verify that the flow in the suction hose is correct before use. Ensuring the correct flow is always the responsibility of the user.
- Wear ear protection.
- Always position the unit in a way that allows the operator to see the operator panel during use.

**NOTE!**
- Check the suction hose for blockages, leaks or visible damage.
- Ensure that the second suction hose inlet is blocked if not in use.
- If two suction hoses are in use, limit the flow in one and adjust until both suction hose have correct flow.

See Image 9 for positions on the operator panel.

1 Turn on the unit with the push button (1).
2 Start the blower with the push button (4) and adjust the speed with the push buttons (5) or (6).
3 The unit will now work continuously.

## 5.4 Automatic mode

**WARNING! Risk of personal injury**
- Always verify that the flow in the suction hose is correct before use. Ensuring the correct flow is always the responsibility of the user.
- Wear ear protection.
- Always position the unit in a way that allows the operator to see the operator panel during use.

**NOTE!**
- Check the suction hose for blockages, leaks or visible damage.
- Ensure that the second suction hose inlet is blocked if not in use.
- If two suction hoses are in use, limit the flow in one and adjust until both suction hose have correct flow.

See Image 9 for positions on the operator panel.

1 Connect the current sensor clamp to the designated connection point on the back of the unit.
2 Place the current sensor clamp around the welding cable, or the welding return cable.
3 Turn on the unit with the push button (1).
4 The blower starts automatically when the current sensor clamp is triggered by the magnetic field in the used welding earth cable.
5 Make sure that the blower is in operation when the fume extraction torch is running.

## 5.5 Robot mode

**WARNING! Risk of personal injury**
Always verify that the flow in the suction hose is correct before use. Ensuring the correct flow is always the responsibility of the user.

**NOTE!**
- Check the suction hose for blockages, leaks or visible damage.
- Ensure that the second suction hose inlet is blocked if not in use.
- If two suction hoses are in use, limit the flow in one and adjust until both suction hose have correct flow.

See Image 9 for positions on the operator panel.

1 Connect the signal cable to the designated connection point on the back of the unit. Refer to 4.3.1 Connections for robotic operation.

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2 Turn on the unit with the push button (1).

## 5.6 Automatic cleaning of main filter

The main automatic cleaning cycle of the main filter starts when the sensors detect that the filter is full and in idling. The symbol for main filter cleaning is shown on the operator panel.

The automatic cleaning cycle takes about 1-2 minutes.

## 5.7 Manually cleaning of main filter

It is also possible to start the cleaning cycle of the main filter manually. Press the push button for filter cleaning on the operator panel. Manually filter cleaning is available in all modes of operation.

# 6 Maintenance

Installation, repair and maintenance work must be carried out by qualified personnel using only original spare parts. Contact your nearest authorized distributor or Nederman for advice on technical service or if you require spare parts. See also **www.nederman.com**.

## 6.1 General inspection

Check hoses and seals for wear and damage regularly. Replace if necessary.

**WARNING! Risk of personal injury**

- A damaged hose/seal may cause risk of exposure to the collected material.
- Use a face mask, safety glasses and protective gloves when handling the dust container or used filters.
- Use protective gloves when replacing hose and seals on the outside of the unit.

**NOTE!**

- A damaged hose may not cause loss of extraction efficiency as the blower automatically compensates for the leakage air, but it causes a loss of performance as the motor has to increase the flow and that will require more frequent filter changes and higher energy consumption.
- A significant damage will cause an alarm. Either for the rapid change in pressure or that the set point can not be maintained.

## 6.2 Replacing the main filter

**WARNING! Risk of personal injury**

- An improperly fitted or clogged main filter can cause loss of suction and risk of exposure to welding fumes. Ensure that the filter position is correct after maintenance.
- Wear a face mask, eye protection and protective gloves when handling a used main filter.

See Image 10 for step 1-7 (illustration positions 1-12).

See Image 11 for step 8 (illustration positions 1-3).

1 Always perform a cleaning cycle of the main filter before changing the filter. This prevents the risk of dusting when the main filter is lifted. Refer to 5.7 Manually cleaning of main filter.

2 Turn off the unit with the push button (1) and unplug the mains power cable. Disconnect the incoming compressed air.

3 Open the eccentric locks (2).

4 Tilt the motor top forward and disconnect the compressed air tube from the coupling (3). Lift off the motor top (4) from the vacuum cabinet and place it on a table or bench.

5 Carefully lift the main filter and the cleaning unit (5) up and out from the vacuum cabinet, use the bracket on the cleaning unit as a handle. Place the used filter and the cleaning unit into a waste bag (6) intended for the purpose.

6 Inside the waste bag, loosen and remove the finger nuts from the cleaning unit bracket (7). Lift the cleaning unit carefully up and out of the main filter and out of the waste bag (8). Store the cleaning unit safely, so it will not be damaged before placing it in a new main filter, or place the cleaning unit directly in a new main filter.

7 Tie the waste bag tightly (9). **The main filter may never be reused**.

8 Clean the two sensors (1) and (2) from any dust with a small brush. Also clean the connection point (3) on the vacuum cabinet on both the top and bottom.

9 If not done earlier, assemble the cleaning unit in a new main filter and tighten the screws. Place the new main filter with the cleaning unit in the vacuum cabinet (11). Make sure that the small tab on the filter edge fits into the corresponding groove in the vacuum cabinet (12).

10 Reconnect the compressed air tube to its coupling. Reconnect the incoming compressed air and plug in the mains power cable.

11 Refit the motor top on the vacuum cabinet and close the eccenter locks.

## 6.3 Replacing and cleaning the cooling air intake filters

**CAUTION! Risk of equipment damage**
Improperly fitted or clogged cooling air intake filters can cause loss of cooling air to the motor which may cause damage.

See Image 12 and follow the steps below.

There are three different filters that clean the incoming cooling air. Two filters are located in the groove (1) right behind the air vent cover (2), and the third is located in the air duct (3). The filter just inside the air vent cover is a protective metal mesh filter (4), followed by a particle filter (5) and the filter in the air duct is a secondary particle filter (6).

1 Turn off the unit with the push button (7).

2 Remove the air vent cover (magnetic fastening) (2) and separate the two filters from each other (8).

3 Clean the air vent cover and the protective metal mesh filter using a vacuum cleaner.

4 Replace the particle filters with new filters and waste the used filters in appropriate manner.

5 Assemble the cleaned metal mesh and the new particle filter in the groove with the metal mesh filter placed closest to the cover (8). Place a new particle filter in the air duct.

6 Refit the cover with the filters back in place.

## 6.4 Replacing the spark filter

**WARNING! Risk of personal injury**
- Improperly fitted or clogged spark filter may enable sparks to reach the main filter.
- Wear a face mask, eye protection and protective gloves when handling a used spark filter.

See Image 13 and follow the steps below.

1 Turn off the unit with the push button (1).

2 Loosen the screws (2) in the spark filter cover.

3 Remove the spark filter holder (3).

4 Remove the spark filter from the holder (5) and place the used spark filter in a waste bag intended for the purpose, tie the waste bag tightly (6). **The spark filter may never be reused**.

5 Replace the spark filters with new filters (4).

6 Refit the spark filter holder and re-tighten the screws.

## 6.5 Replacing the dust container

**WARNING! Risk of personal injury**
Wear a face mask, eye protection and protective gloves when replacing the dust container.

**CAUTION! Risk of equipment damage**
An improperly fitted or overfilled dust container can cause loss of suction power and risk of damage.

See Image 14 and follow the steps below.

1 Turn off the unit with the push button (1) and unplug the mains power cable.

2 Loosen the screws (2) in the dust container cover plate (3).

3 Pull the dust container (4) slowly out of the vacuum cabinet and at the same time into a waste bag (5) intended for the purpose.

4 Place a new dust container in the vacuum cabinet. **The dust container may never be reused**.

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5 Refit the cover plate and tighten the screws.

## 6.6 Replacing the HEPA filter

**WARNING! Risk of personal injury**
Wear protective gloves when replacing the HEPA filter.

See Image 15 and follow the steps below.

1 Turn off the unit with the push button (1) and unplug the mains power cable.
2 Open the quick coupling hose clamp (2) and detach the hose from the HEPA filter (3)
3 Lift off the HEPA filter (4) from the filter holder and place the HEPA filter in a waste bag, intended for the purpose (5).
4 Tie the waste bag tightly. **The HEPA filter may never be reused**.
5 Place a new HEPA filter in the filter holder (6).
6 Attach the hose to the HEPA filter (7) and tighten the quick coupling hose clamp (8).

## 6.7 Maintenance schedule

Inspect and perform maintenance according to the table below.

See Image 1 for parts references.

| Position | Part | Inspection/Maintenance | Intervals |
|---|---|---|---|
| 4 | Main filter. | Cleaning.<br>Replace. | Automatically.<br>Every 12 month or when indicated. |
| 6:1 | Spark filter. | Replace. | Monthly. |
| 8 | Dust container. | Replace. | Warning message on display. |
| 12:1 | Protective metal mesh filter. | Visual inspection for wear. Replace if damaged or worn.<br>Cleaning, gentle with a vacuum cleaner. | Monthly.<br>Monthly. |
| 12:2 - 12:3 | Particle filter. | Replace. | Every 6 month. |
| 19 | Suction hose. | Visual inspection for wear. Replace if damaged or worn. | Daily. |
| 20 | HEPA filter. | Replace. | Every 12 month. |

## 6.8 Troubleshooting

| Indication | Cause |
|---|---|
| Sudden increase of the flow. | • Air intake valve opened.<br>• Second user added.<br>• Leakage of hose.<br>• Hose disconnected. |
| Sudden decrease of the flow. | • Air intake valve closed.<br>• Second user removed.<br>• Blockage of hose.<br>• Connection of new tool during operation. |

| Indication | Cause |
|---|---|
| Not able to reach setpoint. | • Setpoint too high for unit performance.<br>• Leakage in main filter.<br>• Main filter missing.<br>• Inlet connection missing. |

## 6.9 Alarm and error messages

| Alarm message on display | Options and measures |
|---|---|
| Change main filter. | F2: -<br>F3: Confirm.<br>Confirmable: No.<br>Snoozeable: Yes, but will clean the filter once per hour as long as the alarm is snoozed. |
| Empty dust container. | F2: Empty container.<br>F3: Ignore.<br>Confirmable: Yes.<br>Snoozeable: Yes. |
| Unreachable kPa. | F2: Confirm.<br>F3: -<br>Confirmable: Yes.<br>Snoozeable: No. |
| Hose is blocked. | F2: Check hose.<br>F3:-<br>Confirmable: Yes.<br>Snoozeable: No. |
| Hose is leaking. | F2: Check hose.<br>F3: -<br>Confirmable: Yes.<br>Snoozeable: No. |

# 7 Spare parts

⚠ **CAUTION! Risk of equipment damage**
Use only Nederman original spare parts and accessories.

Contact your nearest authorized distributor or Nederman for advice on technical service or if you require help with spare parts. See also **www.nederman.com**.

## 7.1 Ordering spare parts

When ordering spare parts always state the following:

- The part number and control number (see the product identification plate).
- Detail number and name of the spare part (see **www.nederman.com/en/service/spare-part-search**).
- Quantity of the parts required.

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# 8 Recycling

The product has been designed for component materials to be recycled. Different material types must be handled according to relevant local regulations. Contact the distributor or Nederman if uncertainties arise when scrapping the product at the end of its service life.

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