

Taal: Engels



## Handleiding

Kemper ProfiMaster

KE 60650100

KE 60650101

KE 60650102

**MSH equipment**

Appelmarkt 7

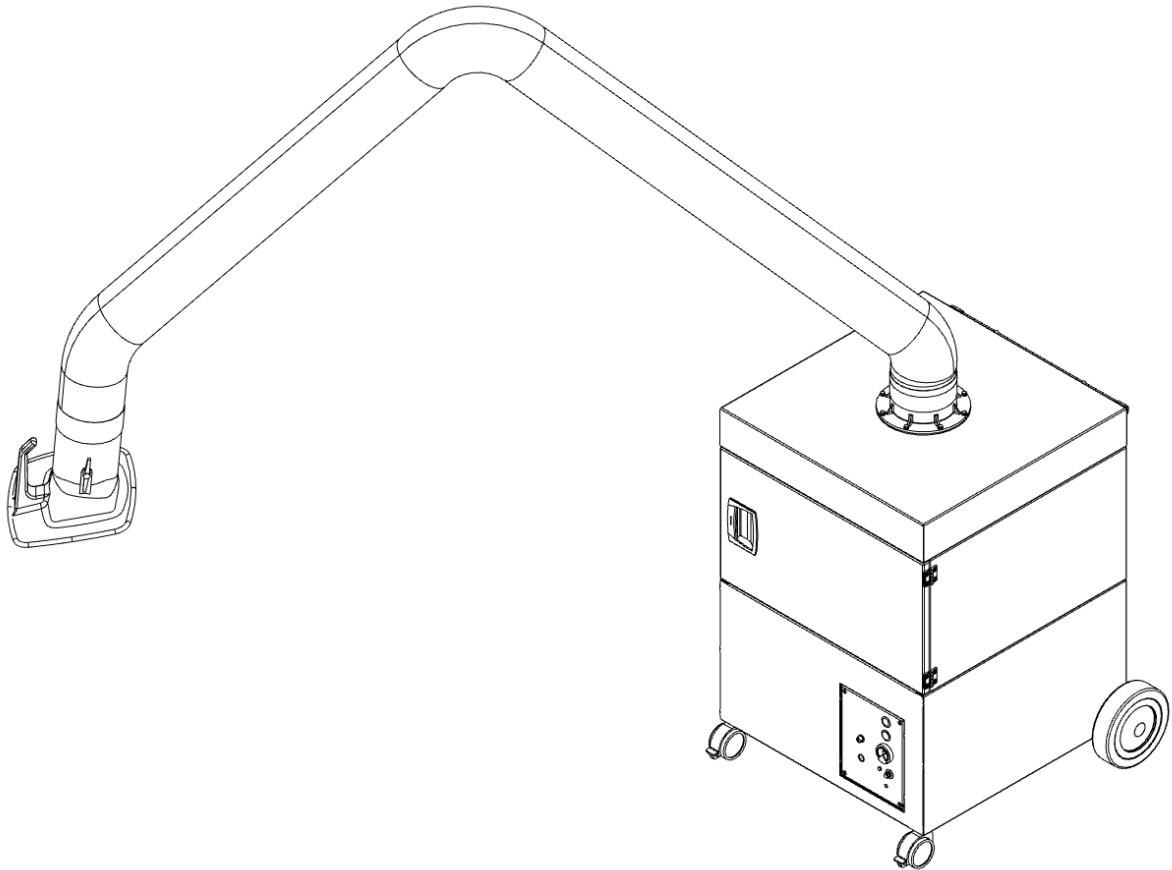
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## ProfiMaster

Manual (Translated from German)

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# 1 Basics

## 1.1 Introduction

This manual is an essential aid for the proper and safe operation of welding fume filter unit KEMPER ProfiMaster, hereinafter called ProfiMaster.

The manual contains important information for the safe, proper and efficient operation of the ProfiMaster. Observance of this manual helps to avoid danger, reduce repair costs and downtime, and increase the reliability and the service life of the ProfiMaster. The manual must always be available and should be read and applied by any person who is authorized to work on or with the ProfiMaster.

This includes:

- the operation and troubleshooting during operation,
- the maintenance (care, maintenance, repair)
- the transport,
- the assembly.

## 1.2 Notes on copyright and industrial property rights

This instruction manual should be kept confidential. It should be accessible only by authorized persons. It may only be transferred to third parties with the written consent of KEMPER GmbH.

All documents are protected under copyright law. The reproduction and distribution of documents, including excerpts, as well as exploitation and communication of its contents is not permitted, unless this is expressly permitted in writing.

Violations are liable to prosecution and incur an obligatory payment of damages. KEMPER GmbH reserves all rights to exercise industrial property rights.

### **1.3 Information for the operator**

The instruction manual is an integral part of the ProfiMaster. The operator shall ensure that the operating personnel take note of these instructions.

The manual is to be supplemented by the operator with company regulations based on national regulations for accident prevention and environmental protection, including information on regulatory and reporting requirements to meet specific operating requirements, e.g. concerning work organization, work processes and personnel used. Apart from the manual and the regulations concerning accident prevention applicable in the country as well as at the site, the recognized technical rules for safe and professional work must be adhered to.

The operator must not make any changes, additions and modifications to the ProfiMaster that can affect safety without permission from KEMPER GmbH! Any replacement parts used must meet the specified requirements of KEMPER GmbH. This is always guaranteed with original spare parts!

Use only trained or instructed personnel to operate, maintain, repair and transport the ProfiMaster. Clearly establish who is responsible for the operation, maintenance, repair and transport.

## 2 Safety

### 2.1 Basics

The ProfiMaster is designed and built with state-of-the-art technology and according to the recognized safety rules. When operating the ProfiMaster, danger to the operator or damage to the ProfiMaster and other property may occur if it is:

- used by untrained personnel or personnel which has not been instructed,
- not used as intended and/or
- improperly serviced

### 2.2 Information on signs and symbols



#### **DANGER**

This is a warning of a potentially dangerous situation with an inevitable consequence of severe injury or death if the specified statement is not followed exactly.



#### **WARNING**

Indicates a potentially hazardous situation that could result in severe personal injury or death if the specified statement is not followed exactly.



#### **TAKE CARE**

This is a warning of a possible hazardous situation, with the result of minor or moderate injury or property damage if the specified statement is not followed exactly.



#### **NOTE**

This is a reference to useful information for safe and proper use.

- Working and/or operating steps are marked by a bullet point. The steps are to be executed in order from top to bottom.
- Enumerations are indicated by a dash

## **2.3 Labels and signs to be affixed by the operator**

The operator is obliged, where appropriate, to affix further labels and signs on the ProfiMaster and around it in the surrounding area.

Such labels and signs could concern the requirement to wear personal protective equipment, for example.

## **2.4 Safety instructions for the operating personnel**

The ProfiMaster must only be used when it is in a technically sound condition and only for its intended purpose, with awareness of safety and danger in accordance with these instructions! All faults, especially those that can impair safety, must be rectified immediately!

Every person who is charged with the commissioning, operation or maintenance, must have read and understood this manual completely – especially section 2 Safety. Reading the instructions after work has begun is too late. This is especially true for personnel who are only occasionally tasked with using the ProfiMaster.

The manual must always be readily available close to the ProfiMaster.

No liability is accepted for any damages or injuries caused by non-observance of this manual.

The relevant accident prevention regulations and other generally recognized health and safety rules and regulations are to be followed.

Define clearly, and adhere to the responsibilities for the different activities within the scope of servicing and maintenance. Only then will human error – especially in dangerous situations – be avoided.

The operator undertakes to ensure that the operating and maintenance personnel wear personal protective equipment. These include, in particular, safety shoes, safety glasses and gloves.

Do not wear long hair loosely, loose clothing or jewellery! There is always the danger of being drawn in or being caught up in moving parts.

If safety-related changes occur on a ProfiMaster, stop the extraction, secure it immediately, and report the occurrence to the competent authority/person!

Work on the ProfiMaster must only be carried out by reliable, trained personnel. Observe the legal age!

Personnel to be trained, instructed, introduced to the job or involved as part of a general education must only use the ProfiMaster under the constant supervision of an experienced person!

## **2.5 Safety instructions for maintaining and troubleshooting the ProfiMaster**

Setting up, maintenance and repair work and troubleshooting must only be performed when the system is off.

During maintenance and repair work, always tighten the loose screw! If required, tighten the relevant screws with a torque wrench.

In particular, clean connections and fittings from dirt or any corrosion inhibitors before starting maintenance/repair/care.

### 3 Product Description

The ProfiMaster is a compact welding fume filter apparatus, with the aid of which, the welding smoke produced during welding is extracted near the point of origin and separated to a separation degree of more than 99%. For this purpose, the unit is equipped with a flexible extraction arm, the extraction hood of which is easy to move and is self-supporting so as to be able to maintain any desired position. The extracted air is cleaned in a 2-stage filtering process and then supplied to the working area again.

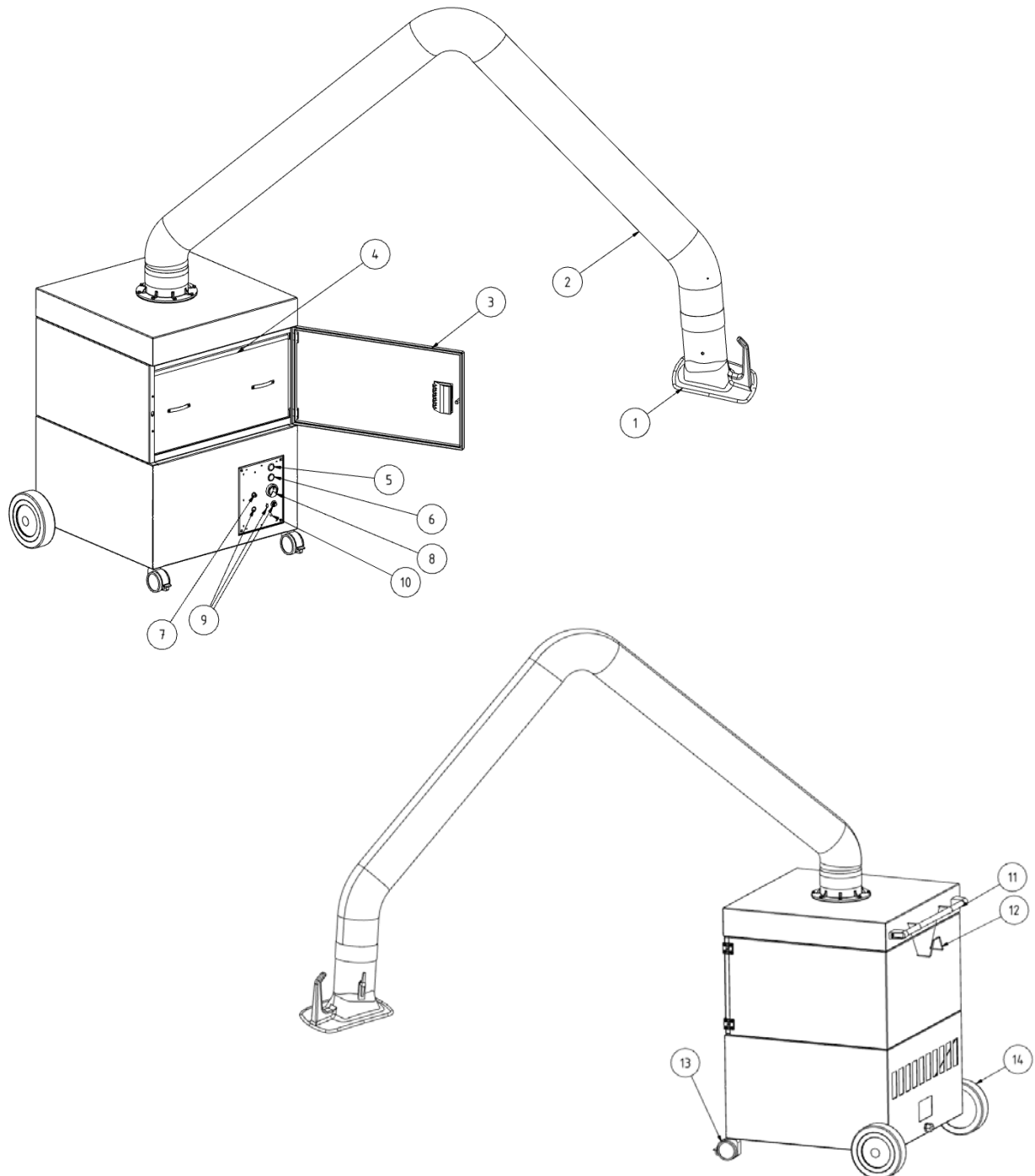


Figure 1, Production description

<b>Item</b>	<b>Description</b>	<b>Item</b>	<b>Description</b>
1	Extractor hood	8	Control to adjust follow-up time during start-stop operation
2	Extraction arm	9	Connection for the service staff
3	Maintenance door	10	Signal horn
4	Filter set	11	Handlebar
5	Unit switch I / 0 with operation indication light	12	Cable holder
6	Signal light	13	Castor with brake
7	Connection socket for start-stop sensor	14	Rear wheel

### 3.1 Intended use

The ProfiMaster is designed to extract and filter welding fumes, generated during electric welding, at the source. Basically, the unit can be used in all work processes in which particulate pollutants, i.e. smoke and dust, are released. However, it is important to ensure that no "sparks" are drawn into the filter unit from e.g. a grinding process.

The hazardous substances generated during the work process are captured by the extraction hood. They are sucked with the air flow into the filter unit. Here they are passed through a prefilter for coarse particles and a main filter, in which the fine respirable particles of smoke are separated out with a separation efficiency of more than 99%. The purified air is sucked in by the fan and returned into the working area.

**For the extraction of welding fumes containing carcinogenic particles created during welding of alloy steels (e.g., stainless steel), according to official regulations, only units which have been tested and approved may be operated in the so-called air circulation process. This filter unit is approved for the extraction of welding fumes generated during welding of steels with an alloy content of < 5% to >30% and meets the requirements of the welding smoke separation class W3, according to DIN EN ISO 15012-1.**

**When extracting of welding fumes containing carcinogenic ingredients (e.g., chromates, nickel oxides, etc.) the requirements of TRGS 560 (Technical Rules for Hazardous Substances) must be complied with.**

In the technical data are dimensions and further details on the ProfiMaster, which must be observed.



#### **NOTE**

Observe the information in section 9.1 Technical Data.

Strictly comply with this information.

Intended use also includes compliance with the information

- on safety,
- on operation and control,
- on maintenance and servicing,

set out in this manual.

Any other use, or use beyond this scope, is regarded as improper. The operator of the ProfiMaster is liable for the damages resulting therefrom. This also applies to unauthorized modifications to the ProfiMaster.

### 3.2 Reasonably foreseeable misuse

The operation of the ProfiMaster in industrial areas where requirements have to be met for explosion protection is not allowed. Furthermore, the operation is prohibited for:

- procedures that are not listed in the intended use and through which the sucked-in air:
  - is mixed with liquids and the resulting contaminated air stream is mixed with aerosol and oily vapours;
  - is mixed with easily flammable, combustible dusts and/ or with substances which may form explosive mixtures or atmospheres;
  - is mixed with other aggressive or abrasive dust which could damage the ProfiMaster and the filter elements used ;
  - is mixed with organic, toxic substances or partially toxic substances that are released during the separation of the material.

**Waste materials**, such as separated particles, may contain harmful substances. They must not be disposed of in the municipal waste landfill sites – environmentally sound disposal is necessary.

If the ProfiMaster is used as intended, no reasonably foreseeable misuse, which could lead to dangerous situations involving personal injury, is possible.

## 3.3 Markings and labels on the ProfiMaster

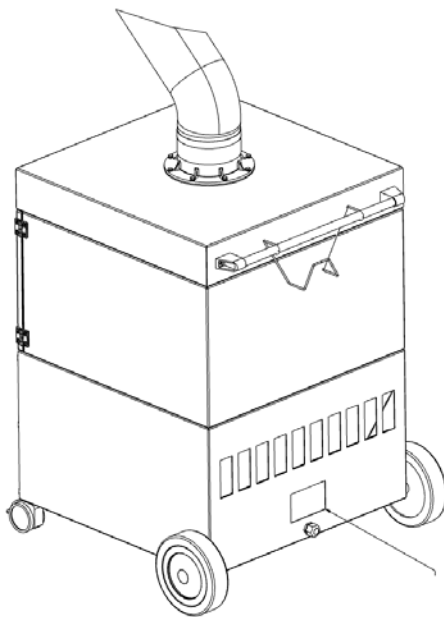


Figure 1, Markings and labels

Label	Meaning <sup>*1</sup>	Location
Nameplate	with the details: <ul style="list-style-type: none"> <li>– KEMPER GmbH Von-Siemens-Str. 20 DE-48691 Vreden</li> <li>– Type ProfiMaster</li> <li>– Terminal voltage</li> <li>– Year of manuf.: 08/2013</li> <li>– Mach. No.: 192341</li> <li>– Weight: 95 kg</li> </ul>	On the back of the unit, at the bottom
Sticker	with the <ul style="list-style-type: none"> <li>– identification of the welding smoke class W 3 according to EN ISO 15012-1</li> <li>– indication of the date of the next test</li> </ul>	On the front of the unit, in the middle, on the left

<sup>\*1</sup> Examples of nameplate information.

### 3.4 Residual risk

Despite compliance with all safety regulations, the residual risk described below is present during operation of the ProfiMaster:

All persons working on and with the ProfiMaster must know this residual risk and follow the instructions that prevent these residual risks leading to accidents or damage.



#### **WARNING**

**Serious injury to the respiratory tract and respiratory organs possible – wear respiratory protection. e.g. KEMPER autoflow XP or a respiratory protection filter mask of the class FFP2 according to EN 149.**

**Skin contact with welding fumes, etc. can cause skin irritation for sensitive individuals - wear protective clothing.**

**Before beginning the welding work, ensure that the extraction arm and the extraction hood are set properly, the filter elements are complete and in undamaged condition and the unit is in operation! Only when the green LED is lit, is sufficient air flow being extracted for capturing welding fumes.**

**When changing the filter cartridges, the deposited dust can come into contact with the skin, and some of the dust can be stirred up by the work. Therefore, wear respiratory protection and protective clothing.**

**Embers in the filter elements can potentially lead to a smouldering fire – shut off filter unit, close butterfly valve in the extraction hood, and leave the unit to cool off under supervision.**

## 4 Transport und Storage

### 4.1 Transport



#### **DANGER**

**Life-threatening contusions possible during loading and transport of the ProfiMaster!**

**In the case of improper lifting and transport the pallet can tilt and the filter unit can fall down!**

- **Never walk under suspended loads!**

A pallet truck or forklift is suitable for the transport of the pallet with the filter unit.

### 4.2 Storage

The ProfiMaster should be stored in its original packaging at an ambient temperature from -20°C to +55°C in a dry and clean place. The packaging must not be adversely affected by other items.

## 5 Assembly



### **WARNING**

**Serious injury possible when mounting the extraction arm due to pretension of the coil springs used. Mishandling the support frame can result in it moving unexpectedly and could cause severe facial injuries or crushing of fingers!**



### **NOTE**

When installing the ProfiMaster independently, the ProfiMaster operator must only appoint persons who are familiar with the task.

Two employees are needed for the installation of the unit.

### 5.1 Unpacking and assembly of the wheels

- Remove the small boxes from the large packaging (wrappers) and set them to one side.
- Now lift the big outer packing up and off.
- The ProfiMaster is secured by straps in a cardboard bottom on the pallet. Cut the corners of the cardboard bottom with a knife, so that you can fold the sides down. Also carefully cut the straps.
- Located in one of the smaller boxes are two large rear wheels with a pre-mounted axle and two smaller castors with brakes, also with pre-assembled axle.
- At the back of the unit is a handlebar. Pull this handlebar and tilt the unit in this way slightly back so that the unit lifts about 150mm off the ground at the front.
- While you are holding the unit in this position, a second employee twists the castors with their axles from below in the existing screw sockets in the front corners in the bottom plate of the unit.
- Now, lower the front of the unit slowly and lift it by the handlebar a little. The second employee can now screw in the large rear wheels with their pre-installed axle into the screw sockets located at the side.
- Now gently pull the ProfiMaster backwards off the palette.
- Open the access door and check the filter cartridges to make sure they are undamaged and in the correct arrangement.

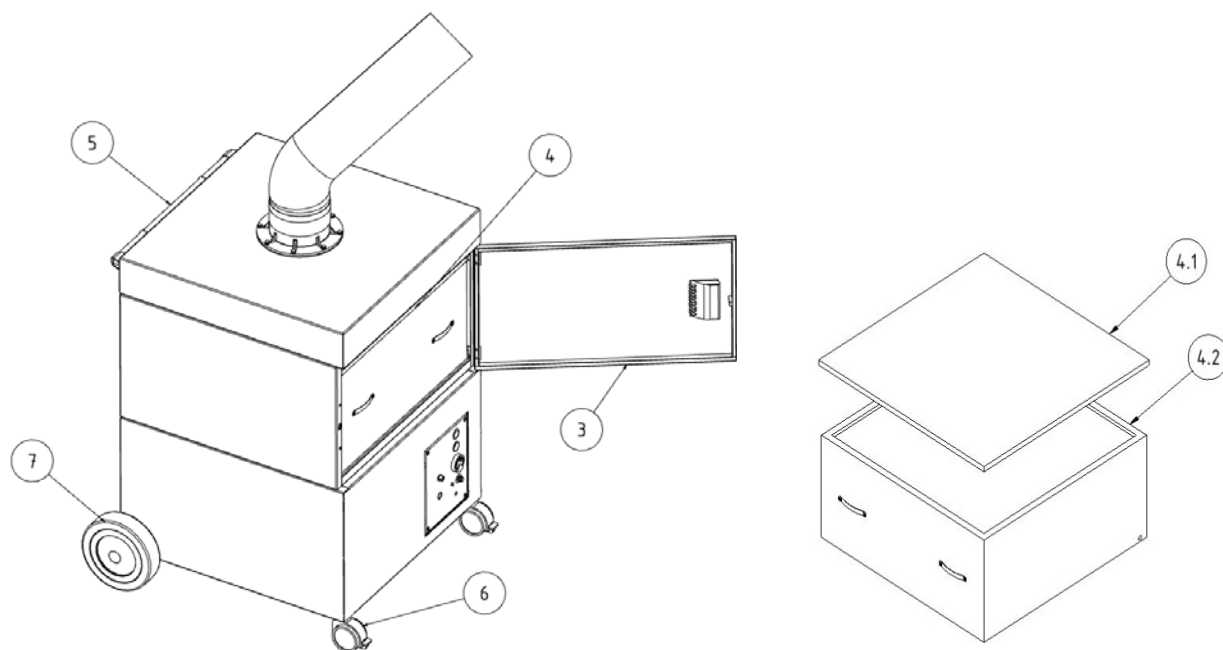


Figure 2, Unpacking and Assembly

Pos.	Description	Number
3	Maintenance door	1
4	Filter set	1
4.1	Prefilter mat	1
4.2	Main filter	1
5	Handlebar	1
6	Castor with brake (front wheel)	2
7	Rear wheel	2

## **5.2 Assembly of the extraction arm**

The extraction arm consists of three main components: turntable, support frame and extraction hood. These are each individually packaged in a carton.

In the box with the support frame is a separate guide for installing and adjusting the extraction arm. Follow these instructions for mounting the extraction arm on a mobile unit.

## **6 Usage**

Any person, who uses, maintains or repairs the ProfiMaster must have read and understood this manual thoroughly.

### **6.1 Qualification of the operating personnel**

The operator of the ProfiMaster must only appoint persons who are familiar with the task with the independent use of the unit.

Being familiar with this task assumes that the persons concerned have been instructed according to the task and understand the manual and any company-specific instructions.

Only let trained or instructed personnel use the ProfiMaster. Only then will all employees work with safety and hazard awareness.

## 6.2 Operational controls

At the front of the ProfiMaster are the following components as well as connection options:

- **Unit on/off switch I / 0**

This switch switches the unit on and off. The green light ring around the switch displays the fault-free operation of the device or the operational readiness when using a start-stop sensor.

If a fault or an error occurs, the green light goes off. The unit switches off automatically. This fault or error should be dealt with as described in section 7.4 (Troubleshooting).

After the occurrence of a fault or an error and its subsequent elimination, the power switch must be pressed again.

- **Signal light**

The yellow signal light indicates a device fault or error. These errors are displayed visually by various blink codes.

The indicator lamp flashes evenly at regular intervals:

*-The unit needs servicing*

The signal light flashes 2 times in quick succession at regular intervals:

*- The motor protection relay has been triggered*

The signal light flashes 3 times in quick succession at regular intervals:

*-Incorrect phase sequence, the fan is rotating in the wrong direction*

During error-free operation of the device, the yellow signal lamp is not illuminated.

- **Controls to adjust the follow-up time during start-stop operation**

When connecting a start-stop sensor (optional), the follow-up time of extraction, from 5 to 60 seconds, can be adjusted here.

The extraction run-time after completing the welding process in this case is at least 5 and a maximum of 60 seconds.

- **Maintenance jack**

Connection option for the KEMPER service. This interface allows the KEMPER service to change the settings on the unit.

- **Connection option for pressure measurement**

Connection option for the KEMPER service. This interface allows the KEMPER service to perform pressure measurements.

- **Signal horn**

The reliable capture of welding fumes is only possible with sufficient extraction capacity. With increasing dust loading of the filter, flow resistance increases and the extraction capacity decreases. Once it falls below a minimum value, the signal horn sounds and the signal light illuminates at regular intervals.

Now a filter change is necessary.

The same happens when the butterfly valve in the extraction hood is closed too far and thus the suction is also reduced too much. Remedy this by opening the butterfly valve.

- **Connector for start-stop sensor**

Here an optional start-stop sensor may be connected.

The use of it ensures that the exhaust system is only in operation during the weld time (arc time) and the follow-up time. The presence of the stop-start sensor is automatically recognized by the unit.

- **Pressure can**

Via this interface the KEMPER-Service can set the differential pressure.



Figure 4 Operational controls

Pos.	Description	Number
1	Unit switch with signal light	1
2	Signal light	1
3	Control to adjust the follow up time in the start -stop mode	1
4	Maintenance connection	1
5	Connection for pressure measurement	1
6	Signal horn	1
7	Connector for start-stop sensor	1
8	<u>Interface of pressure can for setting the differential pressure</u>	<u>1</u>

## 6.3 Positioning of the extraction hood

The arm and the extraction hood are designed so that they can be easily moved and adjusted with one hand. The extraction hood retains its position once it is set without needing support. Furthermore, both the extraction hood and the extraction arm are pivotable through 360°, so that nearly every position can be reached. For the adequate capture of welding fumes, it is important that the extraction hood is always positioned correctly. Please refer to the following image for the correct position.

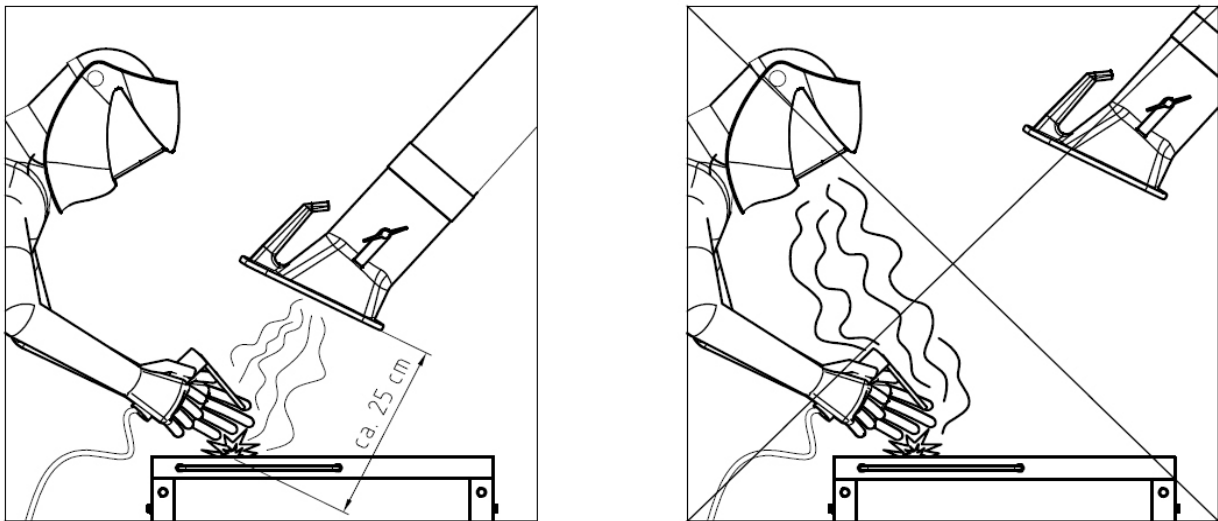


Figure 5, Positioning of the extraction hood

- Position the extraction arm so that the extraction hood is located 25 cm diagonally above the weld.
- The extraction hood must be positioned with consideration given to the thermally induced movement of welding fumes and the suction range, so that it safely captures the welding fumes.
- Always move the extraction hood to each welding position.



### **WARNING**

If the extraction hood is positioned incorrectly or the extraction capacity is too low, sufficient capture of air containing hazardous material is not ensured by the extraction hood. Hazardous substances can thus enter into the breathing zone of the user and result in damage to health!

## 6.4 Commissioning

- Turn the unit on via the switch labelled "0" and "I".
- The fan starts and the green illumination of the power switch indicates the fault-free operation of the unit.
- Only weld when the signal light is not on.
- Regularly adjust the position of the extraction hood according to the progress of the working process.

## 7 Maintenance

The instructions in this chapter are intended as minimum requirements. Depending on the operating conditions, further instructions may be necessary to keep the ProfiMaster in optimal condition. These specified time intervals refer to operation on a **one-shift** basis.

The maintenance and repair work described in this chapter must only be performed by specially trained repair personnel of the operator.

Any replacement parts must meet the specified requirements of KEMPER GmbH.

This is guaranteed if original spare parts are used.

Ensure the safe and environmentally sound disposal of working material and replacement parts.

- Observe the safety instructions on the following pages!

## 7.1 Care

The maintenance of the ProfiMaster is essentially limited to cleaning all surfaces of dust and debris and checking the filter cartridges.



### **WARNING**

**Skin contact with cutting smoke, etc. can lead to skin irritation for people with sensitive skin!**

**Serious injury to the respiratory tract and respiratory organs possible!**

**To avoid contact with and inhalation of dust, use protective clothing, gloves and an air respirator e.g. KEMPER autoflow XP or a respiratory protection filter mask of the class FFP2 according to EN 149**

**The release of hazardous dust when cleaning is to be avoided, so that people not charged with the task are not harmed.**



### **Information**

Do not clean the ProfiMaster with compressed air! This could lead to dust and/or dirt particles entering the surrounding air.

Appropriate care helps to maintain the ProfiMaster in functional working order in the long run.

- Clean the ProfiMaster thoroughly once a month.
- The outer surfaces of the ProfiMaster can be cleaned with a suitable industrial vacuum cleaner with dust class H or alternatively wiped with a damp cloth.
- When cleaning the extraction arm also remove any possible accumulated dust or other debris at the guard or inside the extraction hood.
- Check the hose on the extraction arm for damage e.g. burns holes from sparks or chafing.



### **Information**

Major defects and leaks lead to a reduction in the extraction capacity of the extraction hood. Replace the hose with a new one in good time.

## 7.2 Service

Reliable function of the ProfiMaster is positively influenced by regular inspection and maintenance, which should be done at least annually.

Except for an occasional adjustment of the joints of the arm and when due, necessary filter changes, the unit is maintenance-free. To adjust the joints refer to assembly and maintenance instructions that came with the extraction arm.



### **WARNING**

**Skin contact with cutting smoke, etc. can lead to skin irritation for people with sensitive skin!**

**Repair and maintenance work on the ProfiMaster must be performed only by trained and authorized personnel in accordance with the applicable safety and accident prevention regulations!**

**Serious injury to the respiratory tract and respiratory organs possible!**

**To avoid contact with and inhalation of dust, use protective clothing, gloves and an air respirator!**

**The release of hazardous dust when cleaning is to be avoided, so that people not charged with the task are not harmed.**

### 7.3 Changing the filter

The life of the filter elements depends on the type and amount of dust separated. Regular changes of the prefilter can greatly extend the life of the subsequent main filter. At the latest, when changing the main filter, the prefilter mat should also be replaced.

We recommend the following service intervals:

Filter Model	Article number	Recommended operating time
Prefilter mat, pack of 10	109 0033	about 50 hours
Main filter	109 0457	about 200 hours

With increasing dust loading of the filter, flow resistance increases and the extraction capacity decreases. Once it falls below a minimum value, the signal horn sounds and the green operation indicator light turns off. Now a filter change is required.



#### **WARNING**

Cleaning of the filter elements is not allowed. This inevitably results in damage to the filter medium, which makes the function of the filter no longer possible and dangerous substances are released into the air.

Only use original replacement filters, because only they guarantee the requisite degree of separation, are designed for the unit and match its performance.

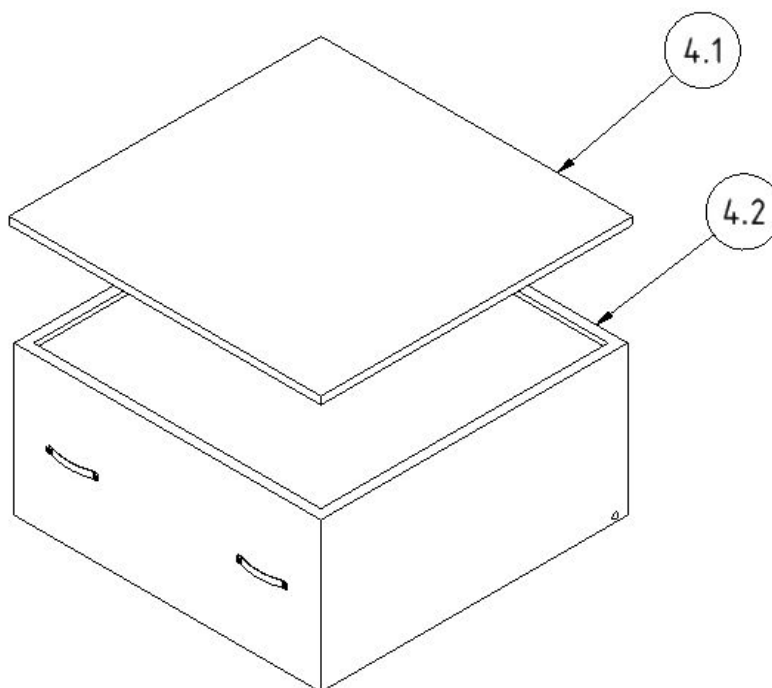
- Turn the ProfiMaster off via the switch in item 1.
- Prevent unintentional restart by pulling the power plug out.
- Open the maintenance door, item 3.
- On the main filter is the prefilter tray, item 4.1 and the internal prefilter mat. Pull the prefilter tray out of the unit.
- Gently lift the main filter, item 4.3, via the grip on the front and pull it towards you.
- Grasp the main filter on the side walls, lift it carefully out of the unit and place it on a workbench.
- Put the filter to be changed in a plastic bag and seal it with e.g. cable ties. Suitable plastic bags are procurable from KEMPER: article no. 119 0431.
- In the process make sure as little dust as possible is stirred up.
- Replace each filter cartridge with new ones.

- Put the main filter and the new prefilter tray back into the ProfiMaster. Here, the grip must be at the front again.
- In order to prevent the seal at the bottom of the main filter being damaged upon insertion into the apparatus, the filter is provided with plastic bolts, which - sliding on a guide rail - move into corresponding recesses when it reaches the correct position.

Only then put the filter with the seal on the plate.

Nevertheless, be careful, when dealing with the main filter, not to damage the seal or the filter media.

- Close the maintenance door.
- Plug the power cord back into the outlet and turn on the unit. The green illumination of the power switch should be visible and show the fault-free operation of the unit.



**Figure 6, Changing the filter**

## 7.4 Troubleshooting

<b>Problem</b>	<b>Possible Cause</b>	<b>Corrective Action</b>
Not all smoke is captured.	Distance from the extraction hood to weld too great.	Move extraction hood closer.
	Clean air outlet covered	Keep clean air outlet free.
Signal horn sounds	Insufficient extraction, butterfly valve in the extraction hood closed.	Open butterfly valve in the extraction hood fully.
	Filter inserts saturated	Change the filter inserts.
Dust comes out on the clean air side.	Filter inserts damaged	Change the filter inserts.
Motor protection relay triggers	Motor blocked	Ask an electrician to check it. The motor protection relay (F4) has to be manually reset.
Unit does not start.	No mains voltage available.	Ask an electrician to check it.
	Start-stop sensor connected but no current detected (welding has not started)	Start welding

## 8. Disposal



### **WARNING**

**Skin contact with cutting smoke, etc. can lead to skin irritation for people with sensitive skin!**

**Dismantling work on the ProfiMasters may only be carried out by trained and authorized personnel who observe the safety instructions and applicable accident-prevention regulations!**

**Serious injury to the respiratory tract and respiratory organs possible!**

**To avoid contact with and inhalation of dust, use protective clothing, gloves and an air respirator!**

**The release of hazardous dust when cleaning is to be avoided, so that people not charged with the task are not harmed.**



### **TAKE CARE**

**Comply with the legal obligations regarding waste prevention and proper recycling/disposal when working with the ProfiMaster!**

### 8.1 Plastics

The plastics used must be sorted as far as possible.

Plastics must be disposed of in compliance with official regulations.

### 8.2 Metal

Various metals must be separated and disposed of. Disposal must be performed by an authorized company.

### **8.3 Final decommissioning**

Disassembly work must be done with great care to ensure that no dust adhering to the ProfiMaster is stirred up. This prevents people not charged with the task from being harmed. The work area should be cordoned-off/labelled. Any dust stirred up needs to be immediately sucked up with a vacuum cleaner for dust class H!

Before starting disassembly, all dust remaining in the ProfiMaster must be removed. For this purpose, a suitable vacuum cleaner for dust class H should be used and personal protective equipment such as protective clothing, gloves, air respiratory systems etc. must be used to prevent exposure to hazardous dust.

The work area must be cleaned after dismantling the ProfiMaster.

## 9. Appendix


### 9.1 Technical Data

Supply voltage	3 phase AC, see nameplate
Motor power	1.1 kW
Power consumption	See nameplate
Duty cycle	100%
Protection class	IP 42
ISO Class	F
Permitted ambient temperature	-10 / +40°C
Fan power, max.	1,800 m <sup>3</sup> /h
Unit capacity, max	1,500 m <sup>2</sup> /h, without extraction arm 1,100 m <sup>3</sup> /h, with extraction arm
Under pressure, max.	2,100 Pa
Minimum extraction capacity (trigger threshold flow monitoring)	750 m <sup>3</sup> /h
Extraction arm	NW 150, 2m long 3m long 4m long
Welding smoke extraction class according to EN ISO 15012-1	W3
Sound pressure level at 1m distance according to DIN EN ISO 3744	72 dB(A)
Width	655 mm
Depth	655 mm
Height	953 mm
Weight	95 kg

## 9.2 Spare parts and accessories

<b>Seq. No</b>	<b>Fig.</b>	<b>Pos.</b>	<b>Description</b>	<b>Art.-No.</b>
1	1	1	Extraction hood	79 103 00
2	1	2	Hose for extraction arm 2m Hose for extraction arm 3m Hose for extraction arm 4m	114 0002 114 0003 114 0004
3	4	4.1	Prefilter mat (pack of 10)	109 0033
4	4	4.2	Main filter	109 0457
5	-	-	Disposal bags for filter (Pack of 10)	119 0431

## 9.3 Schematics

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Von Siemens-Straße 20 D-48691 Vreden Tel. +49(0)2564/68-0 Fax. +49(0)2564/68-120 mail@kemper.de									
<b>Schaltplan / Circuit Diagram ProfIMASTER</b> <b>13E1267D_GB</b>									
<b>Firma/Kunde / Company/ Customer:</b> Kemper GmbH 13E1267D_GB									
<b>Anlagenbezeichnung / Project description:</b> Schaltschränke / Cabinets: Vorabsicherung / Pre fuse protection: 16A Cat.C Einspeisung / Power supply: siehe Typenschild / see nameplate Zuleitung / Power feed cable: siehe Seite 4 / see page 4 Nennstrom / Nominal current: siehe Typenschild / see nameplate Steuerspannung / Control Voltage: 24 V DC Baujahr / Year of manufacture:									
<b>Zeichnungsnummer / Drawing number:</b> 13E1267D_GB									
<b>Kommission / Commission:</b> Hersteller (Firma) / Manufacturer (Company): Projektname / Project name: Fabrikat / Brand: Typ / Type: Installationsort / Installation place: Projektverantwortlicher / Project responsible person: Teilebesonderheit / Part especialiness:									
Erstellt am/ Created on: 26.07.2013 Verändert am / Modified on: 22.08.2013 von / by harira									
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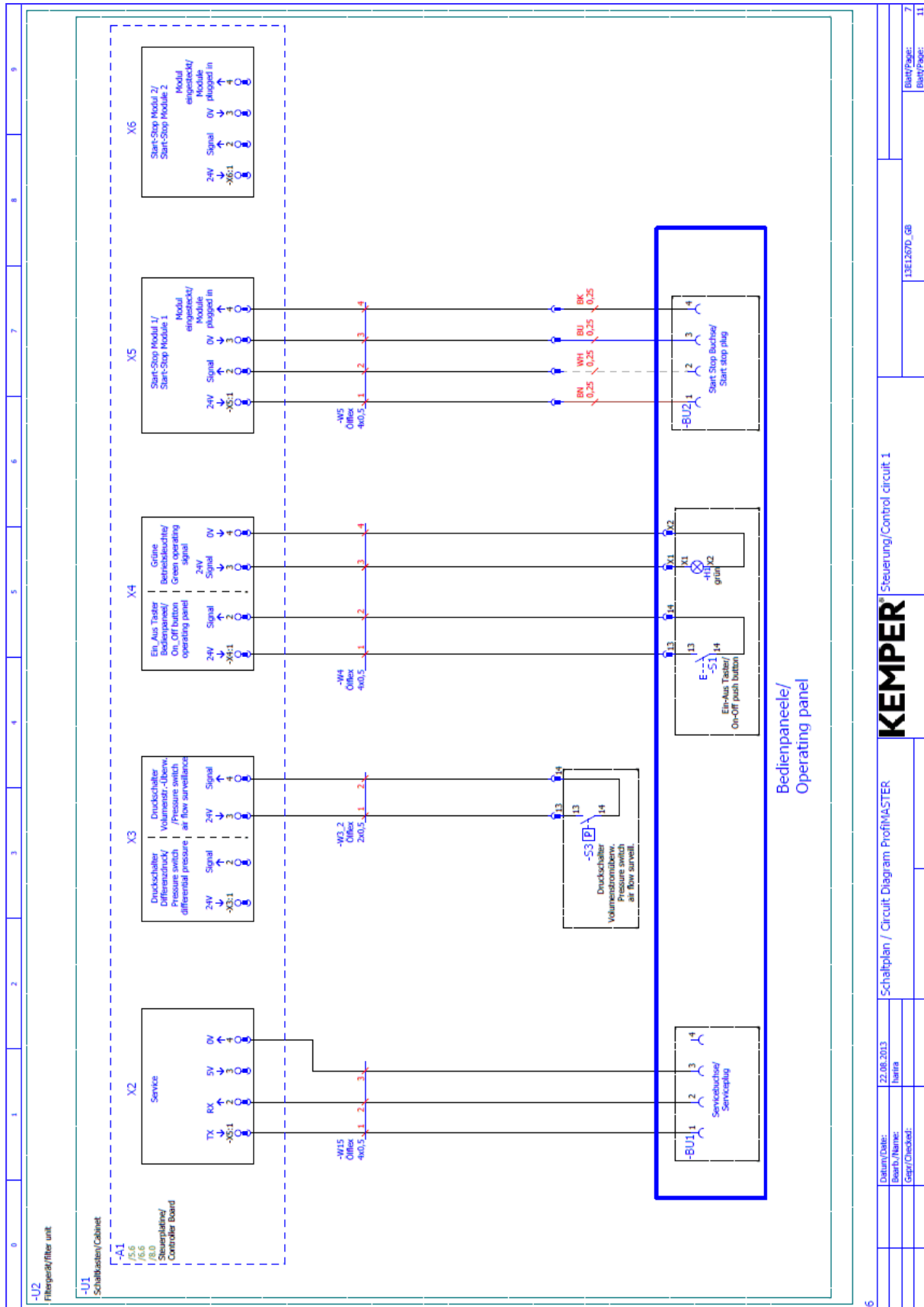


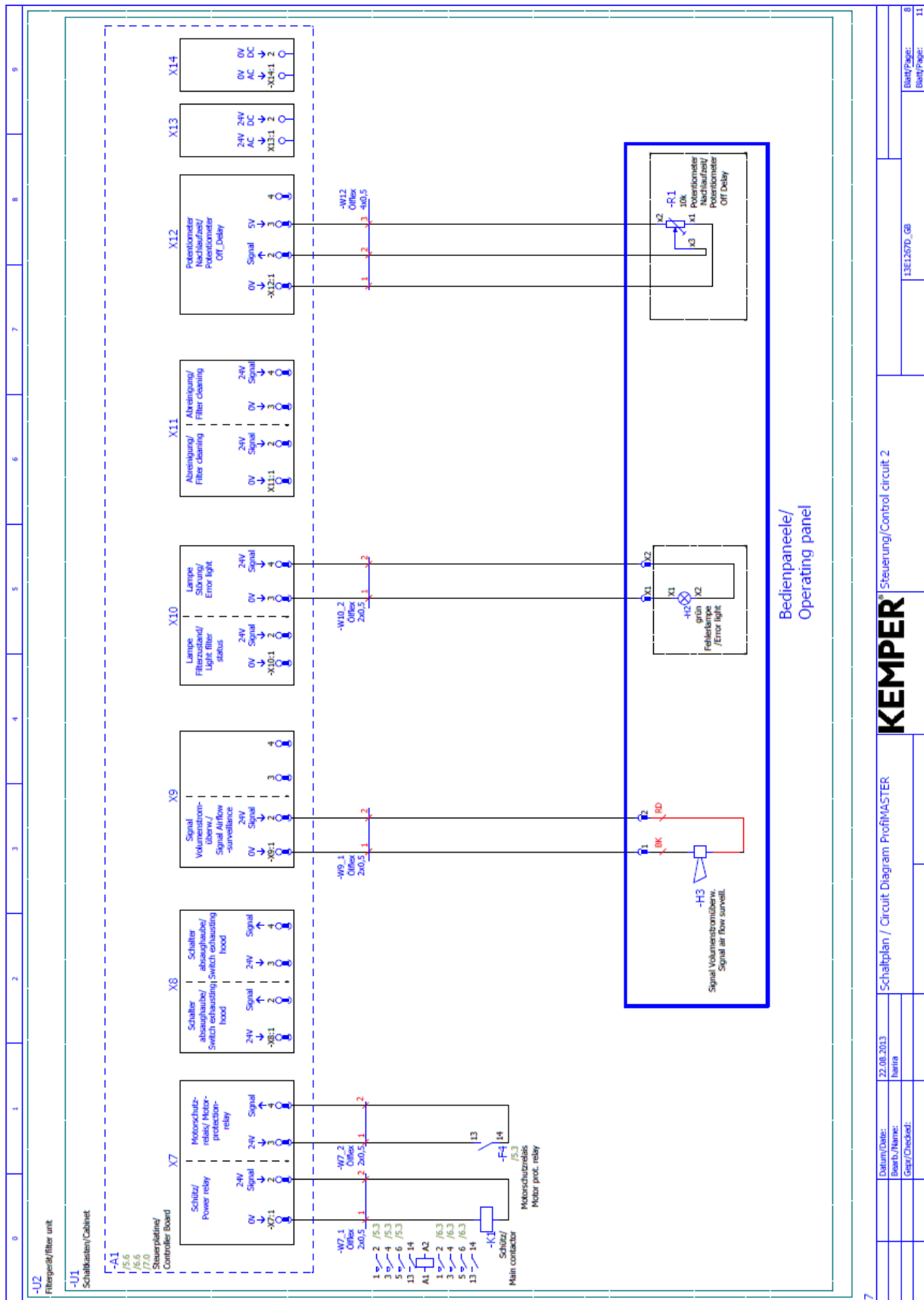
0	1	2	3	4	5	6	7	8	9																								
<h3>!! Sicherheitshinweise/ Safety information !!</h3> <p>Die elektrische Installation darf nur von einer zugelassenen Elektrofachkraft durchgeführt werden./ The electrical installation must be carried out by an accredited electrician</p> <p>Es sind die ortsüblichen Elektro-Versorgungsunternehmen (EVU)-Vorschriften sowie die gerätespezifischen VDE und TÜV Vorschriften einzuhalten. Bei Nichteinhaltung der Vorschriften und Bedienungsanleitungen können Funktionsstörungen mit Folgeschäden und Personengefährdung entstehen. Bei Anschluß von Geräten, Komponenten, Schaltaggregaten sowie Baugruppen mit Schutzleiter entsteht bei Falschanschluß (Vertauschen der Drähte) Lebensgefahr. Örtliche Vorschriften des EVU` s und VDE Bestimmungen beachten. Vor der Inbetriebnahme sind alle Klemmen und Schraubverbindungen zu überprüfen. Die Motorschutzschalter (relais) sind vor der Inbetriebnahme auf ihre richtigen Einstellungen zu prüfen.</p> <p>The usual local power supply company (PSC) regulations, as well as device-specific electrical regulations must be observed. In case of non-compliance with the provisions and the instruction manual it can lead to malfunctions with consequential and personal danger. When connecting devices, components, assemblies and circuit boards with protective conductor danger arises in case of faulty wiring. Before the operation, check all clamps and threaded connections. The motor protection switch (relay) must be checked for their correct settings before use.</p>																																	
<p>Zur Kenntnisnahme:</p> <p>Der Schaltplan ist integraler Bestandteil des Schaltschranke. Es ist unbefugten Personen untersagt, Veränderungen im Schaltplan sowie in der Verdrahtung vorzunehmen. Bei Zuwiderhandlung erlischt unsere Gewährleistung. Die Zeichnungen des Schaltplanes sind urheberrechtlich geschützt. Ohne unsere schriftliche Genehmigung dürfen diese weder verändert, ergänzt, kopiert, noch Dritten zugänglich gemacht werden.</p> <p>For information:</p> <p>The circuit diagram is an integral part of the cabinet. It is forbidden to unauthorized persons, to changes the circuit diagram and the wiring. In case of non-compliance the warranty expires. The drawings of the circuit diagram are subject to copyright. Without our prior written agreement no data must be copied, reproduced, modified or made available to third parties.</p>																																	
<table border="1"> <tr> <td colspan="2">Schaltplan / Circuit Diagram ProfiMASTER</td> <td colspan="2" rowspan="2" style="text-align: center;"><b>KEMPER</b></td> <td colspan="2">Sicherheitshinweise/Security information</td> </tr> <tr> <td>Datum/Date:</td> <td>10.08.2013</td> <td colspan="2">13E1267D_GB</td> <td>Blatt/Page:</td> <td>3</td> </tr> <tr> <td>Bearb./Name:</td> <td>Harke</td> <td colspan="2"></td> <td>Blatt/Page:</td> <td>11</td> </tr> <tr> <td>Gepr./Checked:</td> <td></td> <td colspan="2"></td> <td></td> <td></td> </tr> </table>										Schaltplan / Circuit Diagram ProfiMASTER		<b>KEMPER</b>		Sicherheitshinweise/Security information		Datum/Date:	10.08.2013	13E1267D_GB		Blatt/Page:	3	Bearb./Name:	Harke			Blatt/Page:	11	Gepr./Checked:					
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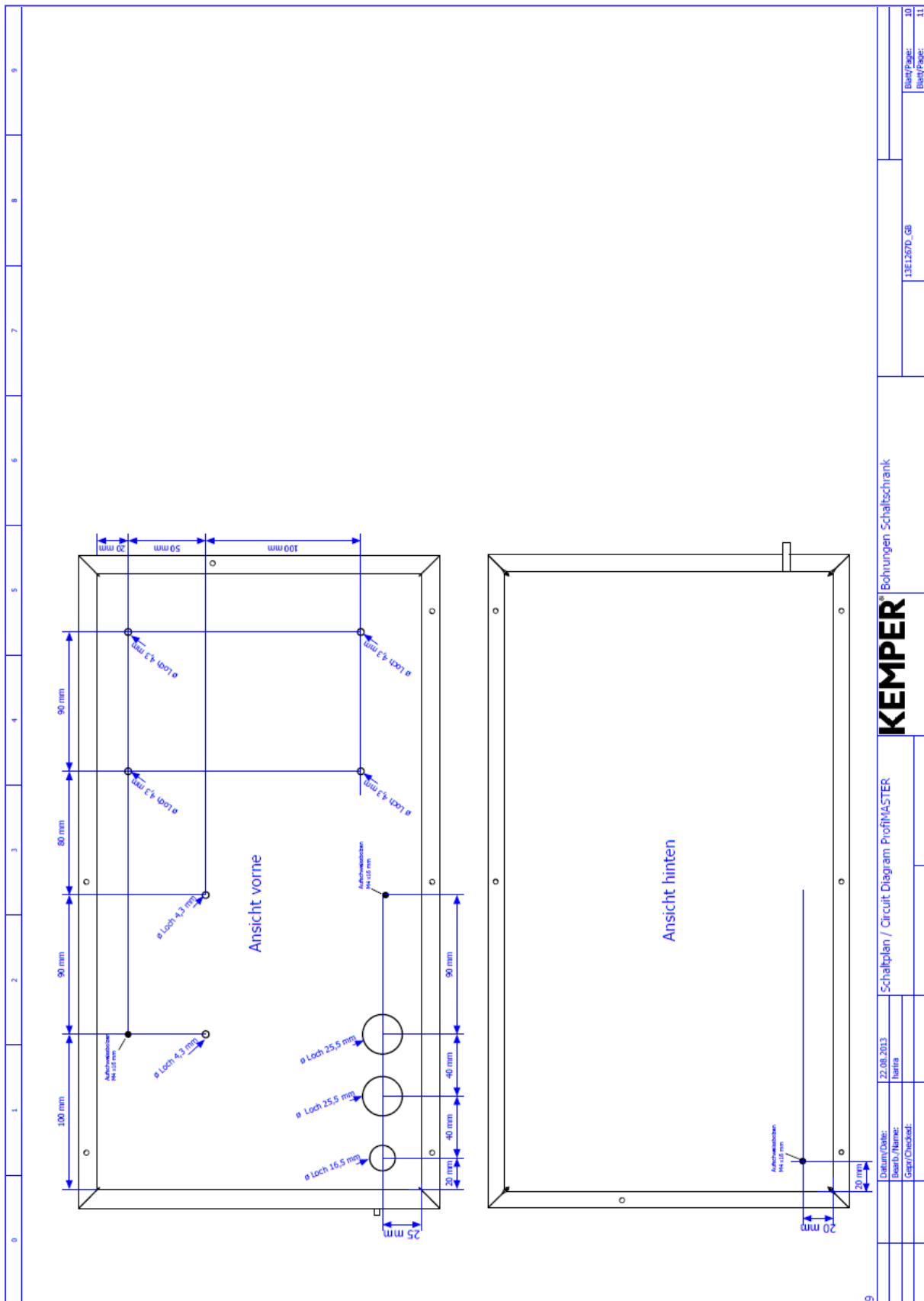


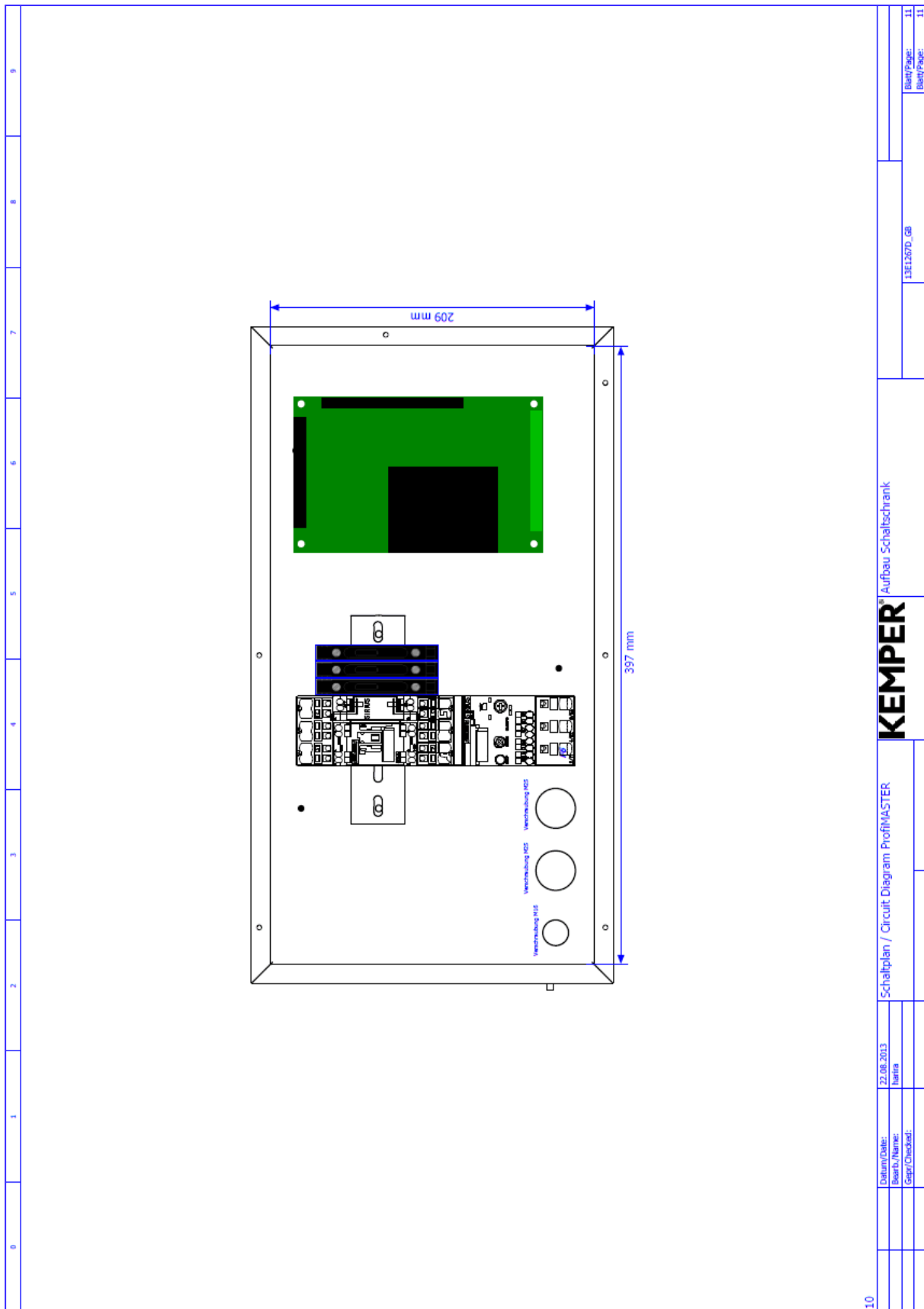




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Steuerung/Control circuit 2			







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