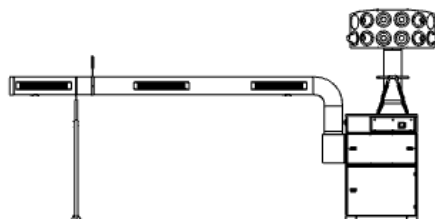
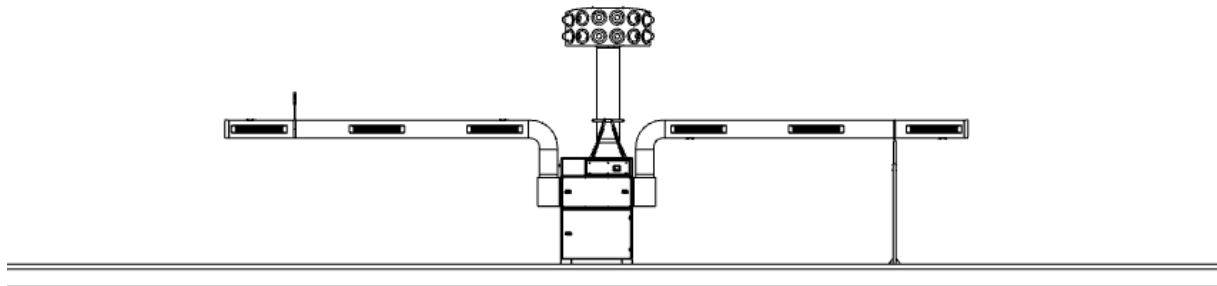
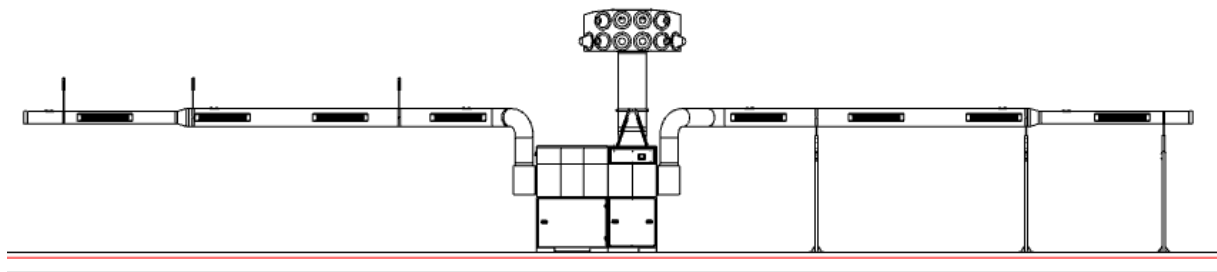


## KEMPER KemJET 6000/9000/13000 Ventilation Systems



## Assembly Instructions

### Table of Contents

<b>1</b>	<b>GENERAL INFORMATION.....</b>	<b>3</b>
1.1	Introduction.....	3
<b>2</b>	<b>USE AND OPERATING PRINCIPLE.....</b>	<b>4</b>
<b>3</b>	<b>MAINTENANCE.....</b>	<b>5</b>
<b>4</b>	<b>INSTALLATION AND CONNECTION .....</b>	<b>6</b>

# 1 General Information

## 1.1 Introduction

These assembly instructions are an essential aid for the correct and safe operation of the ventilation system **KemJET**.

The operating instructions contain important information for the safe, proper and efficient operation of the **KemJET** system. Observing these instructions helps to avoid dangers, repair costs and downtime, and it helps increase the reliability and lifetime of the **KemJET** machine.

The operating instructions must always be available and should be read and applied by any person who is authorized to work on or with the extraction and filter system. This includes:

- operation and troubleshooting during operation,
- maintenance (care, maintenance, repair) and/or
- transport.

## 2 Use and operating principle

**KEMPER KemJET** ventilation systems of this type are used for the extraction and filtering of contaminated air generated during welding.

The **KemJET** ventilation exhaust filter system extracts the polluted air through intake pipes that are attached to the filtration unit. The associated dust is deposited on the surface of the filter medium during this process. At the same time, the intelligent control system monitors the structure of the dust layer and cleans the filter cartridges automatically using compressed air. This occurs without interrupting the operation of the filter system. The resulting dust falls into the dust collection vehicle during this process and can easily be disposed of.

The cleaned air is redistributed in the space via the blower unit's high-performance nozzles. This creates horizontal air circulation over the workspaces between the intake pipes and outlet nozzles. Filtered warm air from the workspace is thereby fed back into the workspaces in an energy-efficient manner.

### 3 Maintenance

Directions on the maintenance of the extraction and filter system and the filter cartridges can be found in the relevant operating instructions.

The intake pipes are equipped with access panels. They are used to regularly maintain and clean the piping. To rid the pipe of any deposits, open the access panels individually. Begin with the panel farthest away from the system. Turn on the suction and filter unit and blow through the access panels with one air gun/lance until the deposits have been removed from the pipe.

Repeat this process for all intake pipes available in your ventilation system (differences KemJET 6000/9000/13000).



#### CAUTION

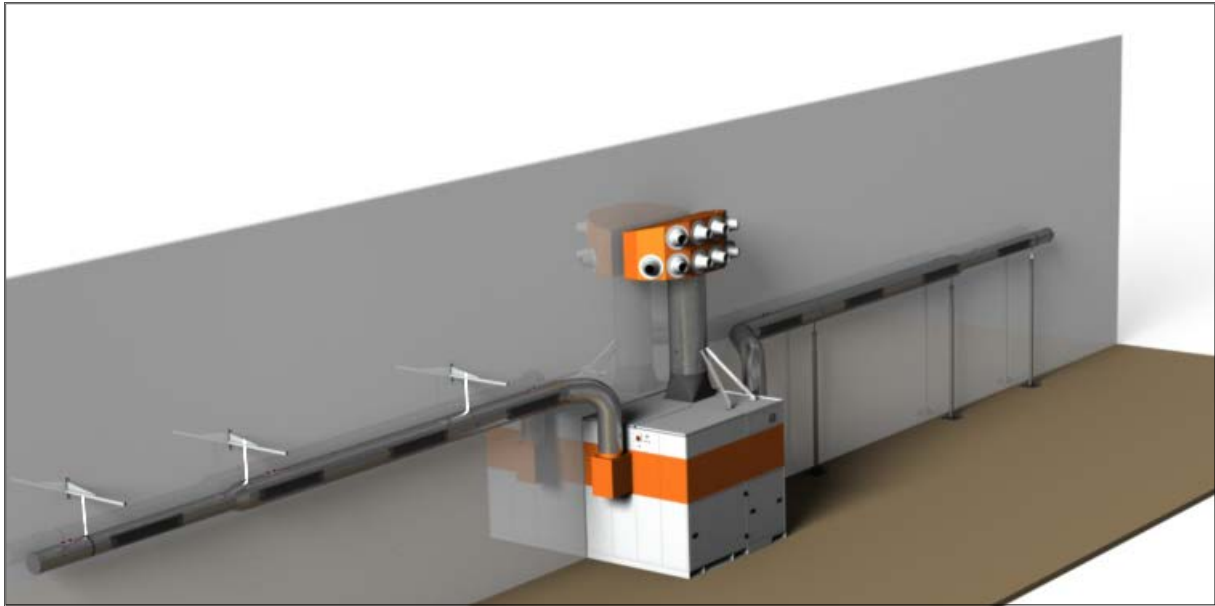
**The release of hazardous dusts should be avoided during maintenance work and when disassembling the pipe so that no persons not responsible for maintenance/disassembly are harmed. A suitable mobile filter unit for capturing fluidized dust should be used for this purpose. During maintenance and disassembling work, personal protective equipment such as protective clothing, gloves, air respirator systems, etc. should be used to avoid contact with hazardous dusts. After successfully maintaining/disassembling, the surrounding area of the KemJET system must be cleaned.**



#### NOTE

The maintenance of the KemJET exhaust ventilation must be performed in accordance with TRGS 560 Section No. 4 Paragraph 6. Written records (a log book) must be kept on the inspection work and the records must be submitted to the supervising authorities upon request.

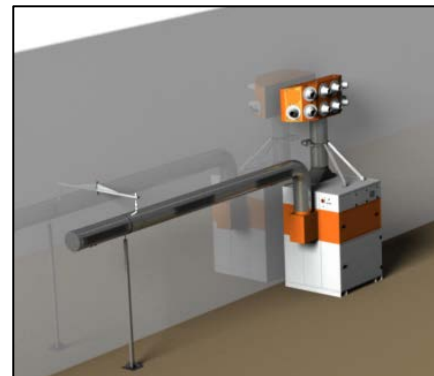
### 4 Installation and connection



I (KemJET 13000 installation example)



II (KemJET 9000)



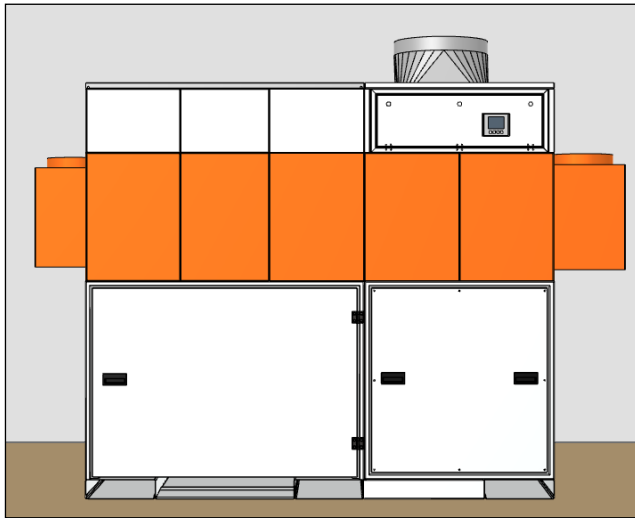
III (KemJET 6000)



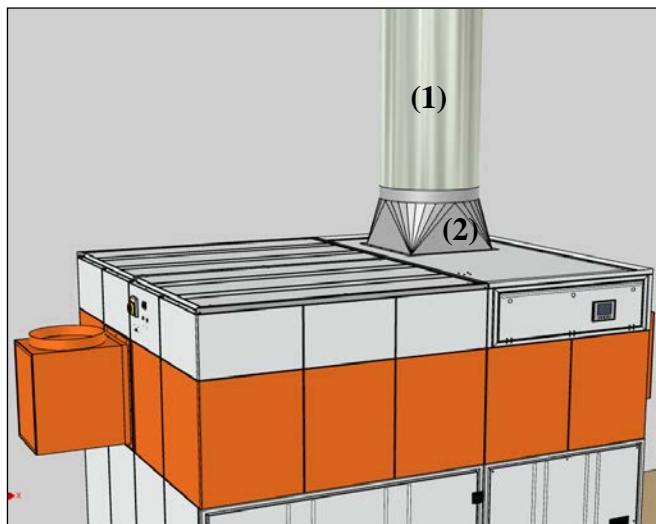
#### NOTE

The **KemJET 13000** is explained in the following assembly instructions, as it has the largest range of coverage. The **KemJET 6000/9000** is assembled in the same way, and only differentiates in the number or length of the extraction piping and the dimensions of the associated extraction and filter system.

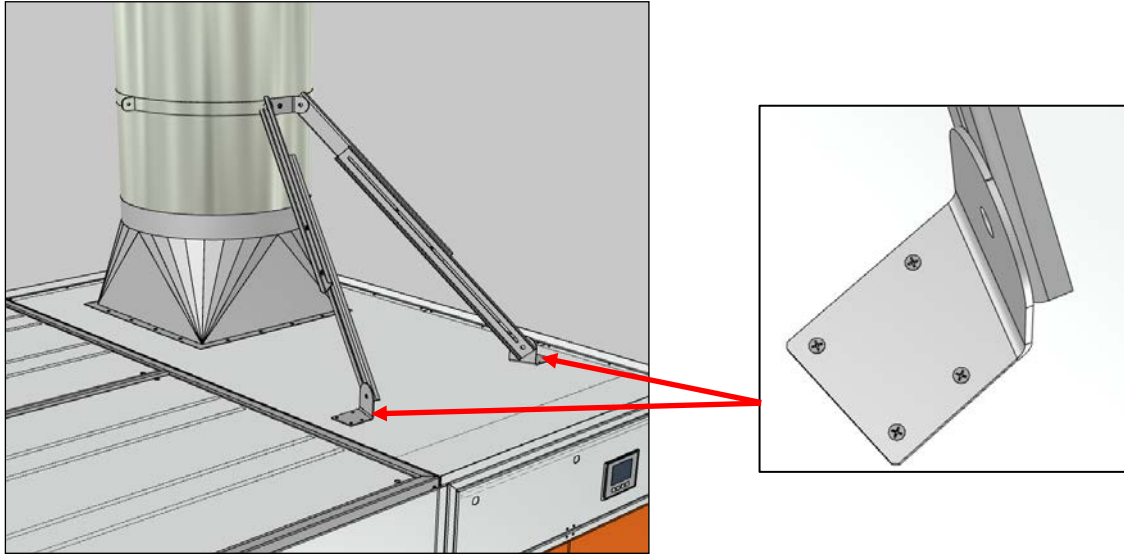
## 4.1 Assembling the blower unit



1. Set up the extraction and filter system at the place you have provided. *(Note that the operating instructions of the filter system include a set condition regarding the strength and evenness required of the floor)*



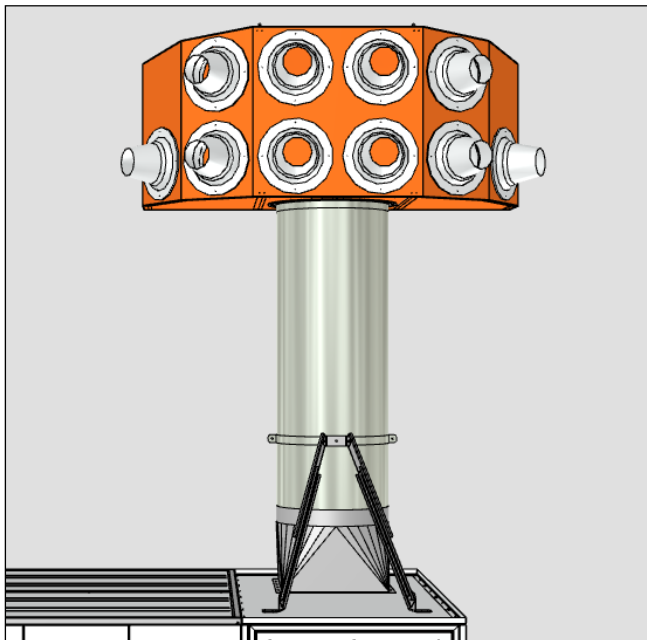
2. Place the folded spiral-seam pipe (1) on the transition piece (2) and connect (1) and (2) with a nipple and self-tapping sheet metal screws (included in delivery).



3. Attach the pipe clamp to the outlet nozzle. Then, fasten the feet of the support into the cover plate of the filter system using sheet metal screws. *(may have to be drilled in the cover plate)*

Once the support is connected to the filter system and piping, the piping is aligned vertically using a spirit level.

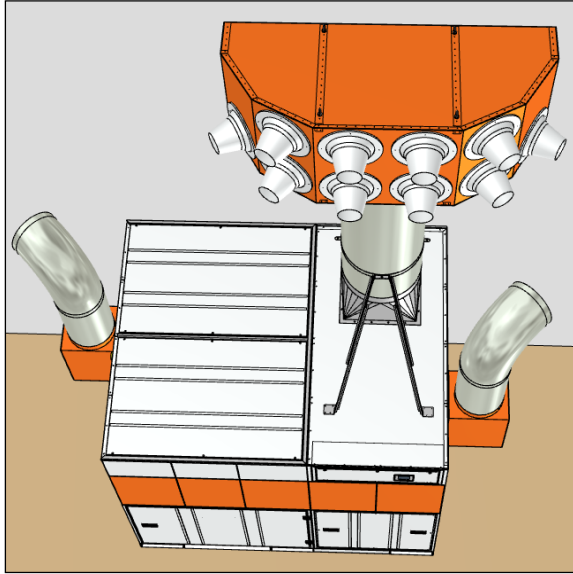
Once the pipe is perfectly vertical, fix the opposing movable rails of the support using the inside wing screws.



4. Using a suitable aid, place the blower unit onto the supported piping and connect the blower unit and piping using self-tapping sheet metal screws.



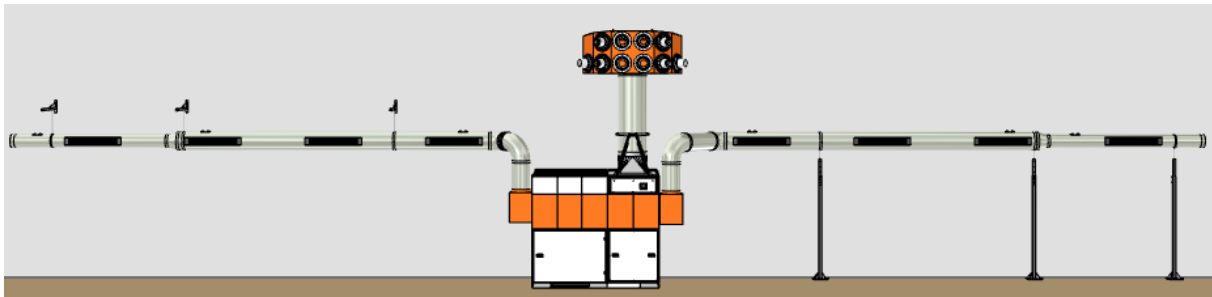
## 4.2 Mounting the intake pipes



1. Insert the pipeline into the filter system's terminal boxes.

- Pipe NW 355
- Arc NW 355 90°
- Pipe NW 355
- Arc NW 355 45°
- Pipe incl. Intake grating NW355 (2 pieces per side)
- Nipple NW 355
- Reduction from NW 355 to 250NW
- Pipe incl. Intake grating NW 250 (1 piece per side)
- End cap NW 250

Please connect all the joints of the pipe with the supplied self-tapping screws. Seal possible resulting leaks in the pipe using the supplied sealing tape.



**IV** There is an optionally available set for wall mounting or a support set. Hang or support the piping at the joints and at the ends.





