

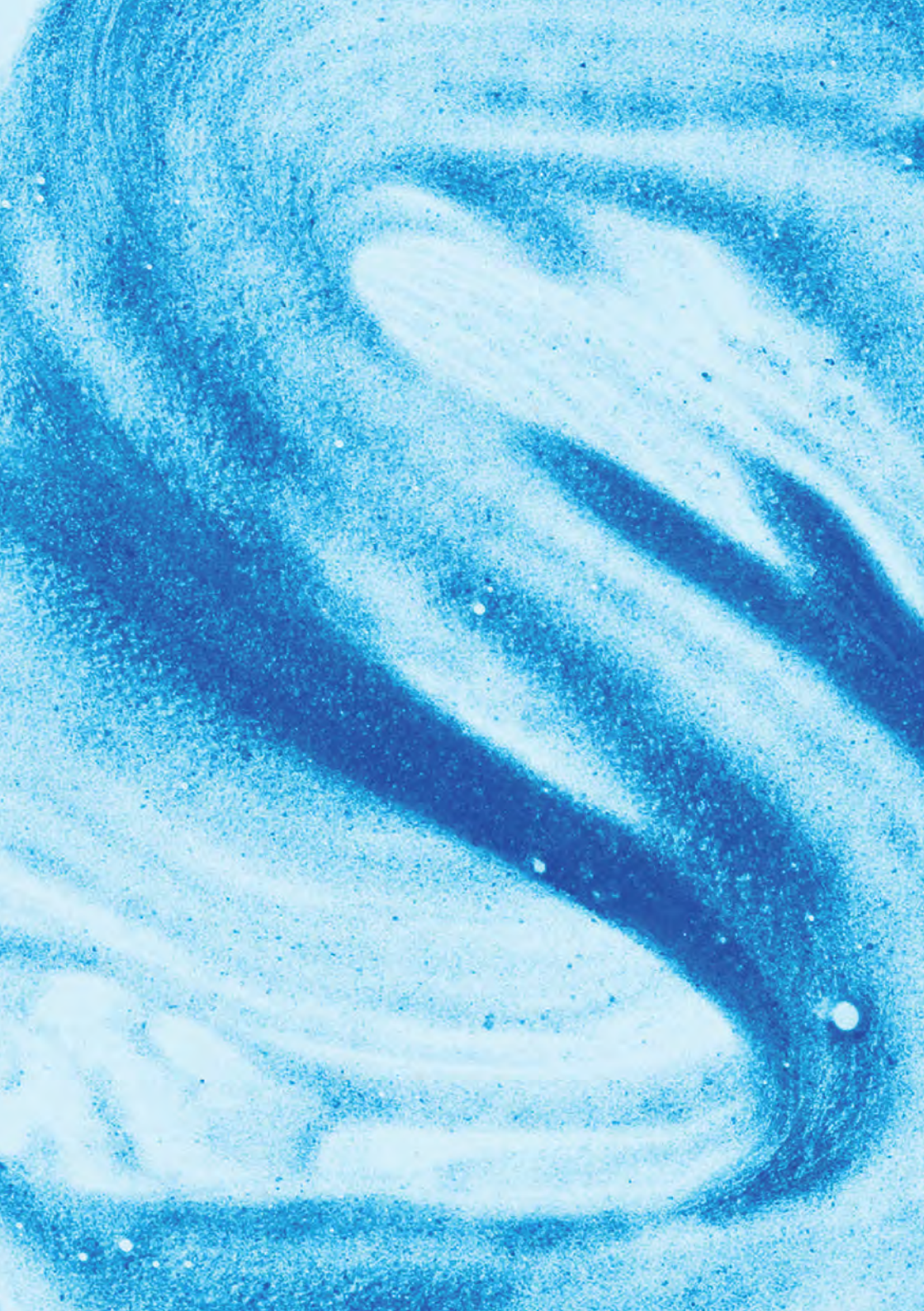


MAXVAC

WELD FUME EXTRACTOR WFE-360



**INSTRUCTION
MANUAL**





WELD FUME EXTRACTOR WFE360

Carefully read these instructions before use and keep them safely after reading for later reference.

INSTRUCTION MANUAL

SAFETY PRECAUTIONS	6-7
WARRANTY	7
WARNING	8
PRODUCT OVERVIEW	9
PRODUCT FEATURES	10-11
OPERATING INSTRUCTIONS	12-13
MAINTENANCE	14
FILTER REPLACEMENT	15
TROUBLESHOOTING	16
COMMONLY ASKED QUESTIONS	17
EU DECLARATION OF CONFORMITY	18



Dear customer,

Thank you for choosing the Weld Fume Extractor WFE-360 made by MAXVAC.

The WFE-360 from MAXVAC has been manufactured with the greatest care, and we hope that you will be happy with the Weld Fume Extractor you have just purchased.

However, if it does not fully comply with your expectations, please contact your supplier.

The MAXVAC brand was born in Switzerland to provide maximum performance equipment to deal with dust management and provide environmental cleaning solutions.

The MAXVAC team is passionate about providing the most environmentally and ecologically acceptable cleaning solutions to promote clean and healthy environments in the home town and workplace.

The WFE-360 was specifically designed for the industry.

We are committed to continuous effective improvement in the battle against fine dust.

For more information on our range, please visit www.max-vac.com



CONGRATULATIONS

Congratulations on your purchase, you have obtained a state-of-the-art air purification system. Only the finest materials surround the finest air purification technology. We hope that you will enjoy your purchase for years to come.

Read ALL instructions carefully before using this product.

FOR YOUR RECORDS

Please record the model and serial number below, for easy reference, in case of loss or theft. These numbers are located on the back panel of your air purification unit. Space is also provided for other relevant information.

Model number

Serial Number

Date of Purchase

Purchased From



SAFETY PRECAUTIONS

In order to avoid possible damages or property losses to yourself and others, please observe following safety precautions.

- **Do not pull a power line during movement or storage.**
- **Do not touch a power plug with wet hands.**
- **Do not damage the power line or power plug.**
Do not cut, modify, pull, excessively twist and wrap the power line. Do not place a heavy object on the power line or squeeze the power line. Replace damaged power line (if any) by a professional of the Manufacturer's maintenance Department or designated department so as to avoid damage.
- **Do not use the power, socket or connecting device which are overrated, and only use 220V 50Hz AC power.**
- **Do not use it at the place where a child can have an access to it.**
- **Do not use chlorine or acid detergent.**
- **Do not put fingers or metal objects into the air inlet, air outlet and other gaps.**
- **Do not dismantle or modify the air purifier without authorization. Please contact the manufacturer for troubleshooting in case of any fault.**
- **Fully insert the plug into power socket.**
- **Regularly clean the power plug.**
- **Pull out the power plug, and dry it with dry cloth.**
- **Pull out the power plug in case of long term non-use.**
- **Switch off the power before maintenance. In the occurrence of any following circumstances, immediately switch off the power.**
 - If the switch does not work.
 - If a circuit breaker acts or the fuse burns out.
 - If the power line or plug becomes abnormally hot.
 - If burning smell or abnormal sound of vibration is found.
- **In case of any other abnormalities or faults.**
- **Entrust the manufacturer, maintenance center or a qualified technician to replace the damaged power line (if any) so as to avoid danger.**
- **Children or persons suffering disability, perceptual disturbance or mental retardation should use the air purifier under supervision and assistance of the Safety Director.**
- **Do not allow a child to operate the air purifier without authorization.**



SAFETY PRECAUTIONS

- **Do not place it at the following places. Unstable bearing surface.**
Areas of High-temperature and high-humidity where the air purifier is possibly damaged, for example, bathroom, Kitchen and other places where oil fumes are heavy. Place where combustible gas exists and possibly leaks.
- **Prevent volatile substances or combustible goods such as cigarette or incense from entering into the air purifier so as to avoid fire.**
- **Do not clean the air purifier with alcohol, diluent or other solvent, and avoid surface contact with aerosol bomb.**
- **Do not use the air purifier in a room where aromatic insecticide is sprayed. [After insecticide is sprayed, open windows to keep the room thoroughly ventilated, and then use the air purifier].**
- **Do not sit on or lean against the air purifier so as to avoid possible damage and personal injury.**
- **Correctly insert and extract the power plug so as to avoid damage to the power line.**
- **The air purifier cannot be used to eliminate carbon oxide. When using with a non-electrical heater, please keep the air flowing.**

WARRANTY

The MAXVAC WFE-360 is supplied with a 12 month warranty on material and manufacturing defects. Keep (or a copy of) your receipt in order to be able to submit the correct purchase date.

Never try to repair the WFE-360 yourself without prior approval from the manufacturer.



The warranty does not include defects that result from normal wear, negligence, incorrect use, repairs without permission and defects caused by connecting the Medi to the wrong mains voltage.

Should you determine that your air unit requires a service, please contact your local dealer.



WARNING

Please read all of the information provided in this user's guide before operating your new fume extraction unit.

	CAUTION RISK OF ELECTRICAL SHOCK DO NOT OPEN ATTENTION	
<p>Caution: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE BACK COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



This symbol calls attention to a feature for which you should read the enclosed literature carefully to prevent operating and maintenance problems.



This symbol indicates that insulated material within your unit may cause an electrical shock. For the safety of everyone, do not remove product covering.

Caution: This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision concerning use of the unit by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the unit.



PRODUCT OVERVIEW

The WFE 260 is the product which our company led to research and development, high-level representatives of the industry, leading the industry benchmark for weld & dust air purification products!

Applications

A good purification filtration effect for iron soldering (The most to 6 stations), dipping soldering in tin stove, laser cutting, laser marking, laser engraving, wave soldering, cutting and grinding occasions etc., which produced a lot of smog, dust, odors, toxic gas purification.

Product is suitable for point to point to absorb contaminants. Also can clean air in an open style!

Work in these situations, with harmful smog, dust, gas and materials, can have severe impact on the human body. The most common that for example, in soldering work uses different material, different supplement, the different welding temperature will produce varying degrees poison and carcinogenicity material. The series of purification machines is the best choice to protect the operators' health.

Dual function: It can be used as a fume or smoke extractor and also a dust and particle air purification filter.

Three layers of filtration material and stepless adjustment of the air extraction volume ensures an efficient filtration and extraction function.

All filter elements are pre-installed plus there are 4 further primary cotton filters included separately.



PRODUCT FEATURES



PART

FUNCTION

Locking clasp	Locks the upper part to the base section
Air exhaust vent	Filtered air is exhausted here
On/Off & Speed Control	On/Off switch & air volume speed control
Power input	Power cable connection socket
Display	Check machine settings here



PRODUCT FEATURES

4. The smog collection device

The machine with free absorption pipe, free to change direction, orientation (the length can be customized according to customer requirements). New collector hood fitted in the terminal, unique shape, higher efficiency of suction.

- Simple installation, easy to use, and no additional pipelines.

5. Safety certification and design standards, national patent

- Complies with CE, UL, WHO certification, safe and reliable.

The reference design criteria: "indoor air quality standards", GB 21551.1- 2008, GB / T 1 8801.

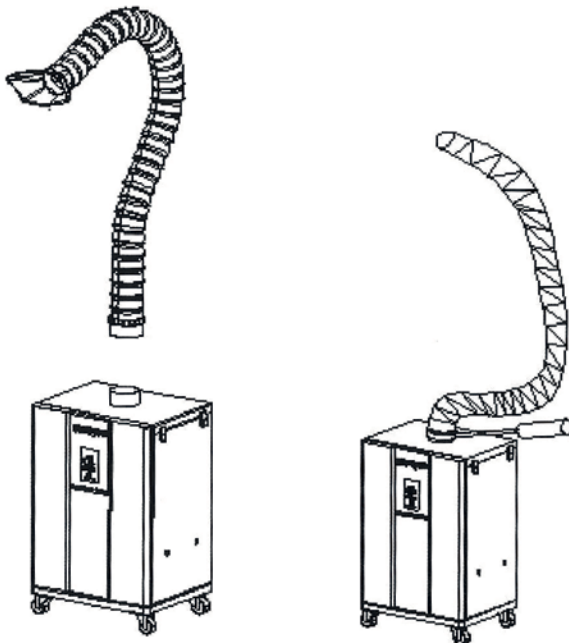
Model Parameter	WFE-360
Inlet Interface	Ø 75 mm
Input voltage	AC 230 V 50 Hz
Rated power	200W
Air volume	360 m3/h
Filter effects	99.99 %
Noise	<60 dB(A)
Suction pipes (standard)	2x Bamboo tube Ø 75mm x 1.5m
Exhaust pipe (optional)	An external exhaust flanges 100mm diameter hose connection
Dimensions (mm)	430 x 230 x 430 mm
Body weight (Excluding suction arm)	18kg



OPERATING INSTRUCTIONS

Open the packing box, take out the power cable and instruction booklet, and then take out the cotton filter elements. Finally, takes out the fan unit.

- Position the main fan as required.
- Connect the flexi tube(s) to the top of the fan ensuring they are locked into place.
- Fit the collector hood(s) onto the top of the flexi tube(s).
- Adjust the collector hood so it is approximately 20cm from the source of the fume or smoke keeping the flexi tubes smoothly curved and straight without any sharp bends or kinks.
- Connect the mains cable to the socket on the fan and plug into a mains power outlet and turn on the power.
- Activate the on/off switch. The switch will illuminate when the power is on.
- To switch the fan on and change the fan speed adjust the speed control on the front of the fan from low to high as required.
- When the fan is operating the indicator LED will illuminate.



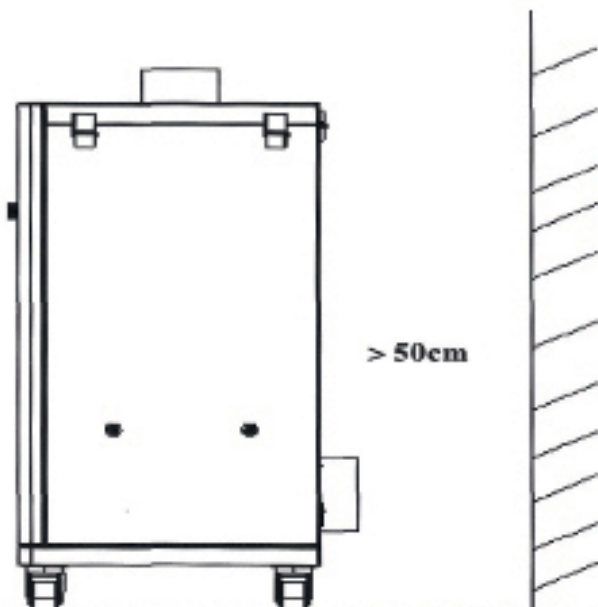


OPERATING INSTRUCTIONS



Do not cover the air inlet or outlet when the machine is operating. Otherwise, it could result in the machine overheating and potentially burning out the motor and control board!

Keep at least 50cm distance from the back of the machine to any walls or other obstructive objects. It will affect the suction force of machine when too close.



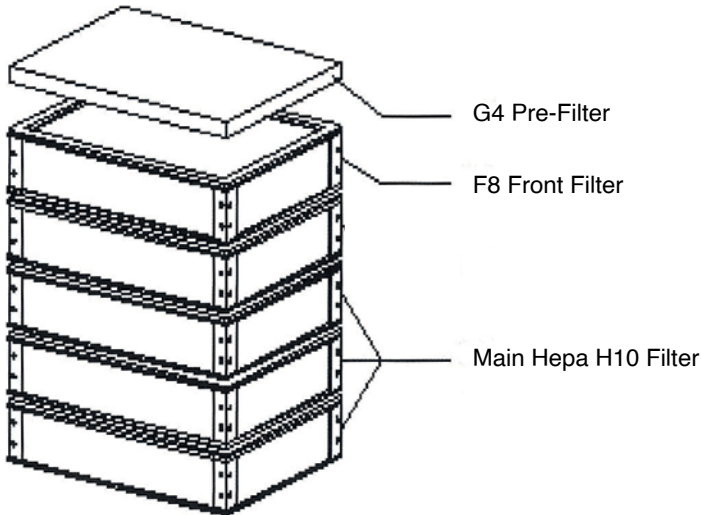


MAINTENANCE

- The various internal filters will require periodic replacement depending on the type of use the device is put to.
- If the suction becomes reduced or the noise of the fan increases or the general efficiency is reduced, inspect and replace the filters as required.
- Disconnect the fan from the mains supply and twist and remove the flexi pipes from the top cover.
- To access the filters unlatch the two catches on either end of the top of the casing and using the handles, lift off the top panel and place to one side

The three elements can be lifted out in turn and are as follows:

- G4 Pre-Filter - check and replace every 10-15 days usage. This filter element sits on top of the F8 Filter
- F8 Front Filter - check and replace every 3-4 months usage. This element sits into a recess on the top of the Hepa H10 Filter.
- Main Hepa H10 Filter for toxic fume & odours - replace every 6-9 months usage.





FILTER REPLACEMENT

Replacement of primary filter element

- Remove the old cotton filter and replace with a new cotton element laid flat onto the medium filter element.



Replacement of secondary filter element

- Remove the cotton filter element.
- Hold the tab on one end of the medium-effect filter element and gently pull it out of the recess in the high-efficiency filter without disturbing the high efficiency filter element.
- Replace the new element with the tabs uppermost and press into the recess in the high efficiency filter
- Replace the cotton filter on top.



Replacement of HEPA H10 Filter Element

- After removing the primary cotton filter and the medium effect filter element, extract the high efficiency element by holding it at both ends and gently pulling upwards.
- Replace with a new high efficiency element inserted into the fan unit, then insert the medium effect and the cotton filter in turn.
- Replacement of primary filter element
- Replacement of secondary filter element

- When all filter elements are in position replace the fan top cover and ensure the retaining clips are engaged.
- Re-attach the flexi tubes and adjust as required.
- Reconnect to the mains supply and power on the fan and adjust the air flow.





TROUBLESHOOTING

Possible issues which occur during use are listed below. If you cannot solve the troubles according to following information, please contact your local dealer.

Troubles	Possible Solutions
Unable to start	Ensure the power cable is connected to live power Check for blocked or jammed Inlet or outlet.
No or little air is discharged from the air outlet	The air inlet or air outlet is blocked: remove any obstructing elements; if the filter is very dirty; replace the filter.
Although the WFE-360 has been operating for a long time, air quality is not significantly improved	<ol style="list-style-type: none">1. Check whether the filters are installed and the the packing bag is removed from the filter.2. Check whether the filter is very dirty, and replace the filter if necessary.3. Ensure the device is free standing and has adequate space around it for free air movement. Min. 50cm is recommended. (refer to the Operating Instructions)4. Place the hood inlet closer to the source of fumes/dust.
Excessive noise	Turn off the unit and remove the the plastic filter packaging.
It is difficult to remove pollutants in air	If the situation has not been improved after basic maintenance, replace the filters.
Air from the air outlet smells	The filter smells bad within several weeks or months if it is used under the existence of cigarette, barbecue and other strong odours, immediately replace the filters, and maintain adequate indoor ventilation.

Part Replacement

The WFE-360 is a maintenance-free device if it is used and stored with care. If you need to replace it, please contact the Manufacturer or authorised dealer.

Caution: Turn off Power Switch if you want to open the unit to replace filters or parts.



COMMONLY ASKED QUESTIONS

Q. What does the WFE-360 do?

A. The WFE-360 captures and filters out any weld, soldering fumes or dusts (such as nail dust in the case of nail salons) directly at source.

Q. How does the WFE-360 work?

A. The Weld Fume Extractor sucks in air at a powerful rate, then passes it through a combination of filters including HEPA filters to capture and filter the air.

Q. How often will the Filters need to be exchanged?

A. This product relies on a variety of filter cartridge parts to filter out the fumes, smell, dust or other toxic substances. The quantity of dust and frequency of use will determine how regularly the filters should be replaced.

The Replacement Cycle is recommended:

G4 Pre-Filter: 10-15 days

F8 Front Filter: 3-4 months

HEPA Filter: 6-9 months

Q. Where should I place the WFE-360 for optimum effectiveness?

A. The Weld Fume Extractor should be placed so that the inlet hose nozzle is as close to the source of fumes/dust as possible. Ensure that minimum 50cm space is left on each side of the machine to ensure air can be drawn in without hinderance.



EU - DECLARATION OF CONFORMITY

Complies with machinery directive 89/392 plus annexes.

Weld Fume Extractor

Models: WFE-360

MAXVAC, hereby declares the above stated models
comply with the following or relevant part thereof:

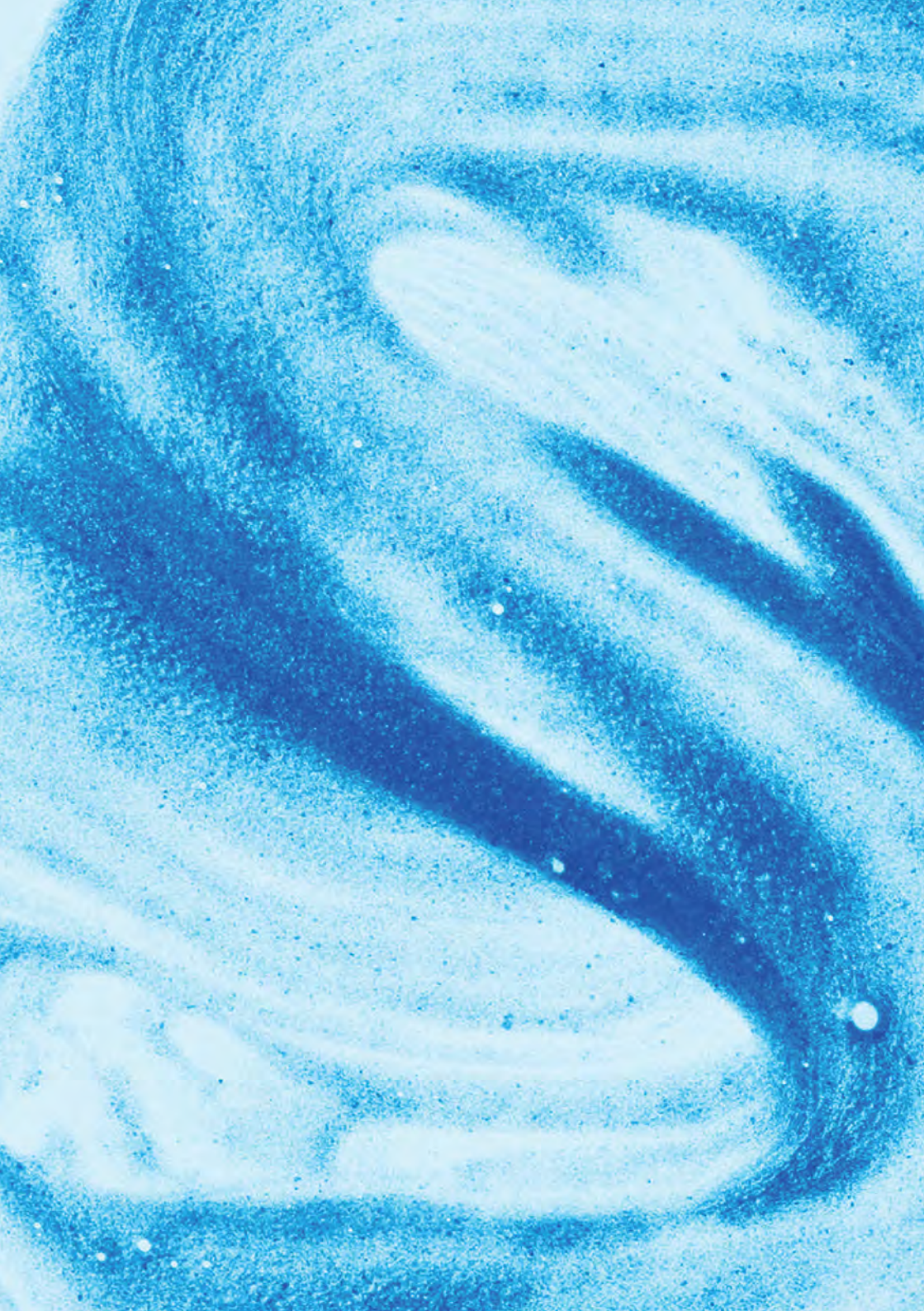
EMC directive:
EN55014-1:2017
EN55014-2:2015
EN61000-3-2:2014
EN61000-3-3:2013

Low Voltage directive:
EN 60335-1:2021/AC:2014

Filters:
HEPA10 / F8 / G4
EN 1822-1:2019
ISO 16890-1:2016

Manufacturer: MAXVAC, Schweiz.

Date: 1st September 2020.





MAXVAC



Mülibodenstrasse 3
CH-8172 Niederglatt
Zürich, Schweiz



+41(0) 43 411 4195



max-vac.com