



USER MANUAL



**110v S2 Hepa
Vacuum**

**Product Code:
VAS2110**

Serial Number Range:

From:

To:

Year Of Manufacture:



***Please note, when ordering online via our website if the part number is not recognised, please Email spares@hscgroupuk.co.uk or Telephone 0115 946 1988**

KEEP THIS BOOKLET FOR FUTURE REFERENCE

Nottingham: 0115 946 1988 • London: 0208 830 3333 ✉ Nottingham: sales@hscgroupuk.co.uk • London: sean@hscgroupuk.co.uk 🌐 www.hscgroupuk.co.uk

The Hire Supply Company Terms & Conditions Apply At All Time E&OE

EN: Operating manual (p. 1)

DE: Betriebsanleitung (S. 17)

FR: Mode d'emploi (pp. 33)

ES: Instrucciones de manejo (pág. 49)

VON ARX DUST EXTRACTORS

S2 / S3



EN

**von
arx**®
TRUE QUALITY SINCE 1941

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NOTES FOR THE USER

Before using

It is extremely important that you:

- Make sure that the package is complete and that you check for any possible damage caused during transit/transport.
- Observe the safety instructions.
- Read the Operating Manual

Reading this Operating Manual

If there are any questions on your part after reading this Operating Manual please get in touch with the manufacturer or the nearest service center. The manufacturer is not responsible for any damage or breakdown resulting from non-observance of the Operating Manual.

Copyright ©

The text and illustrations may not be copied or reproduced without the express permission of Von Arx EOOD.

Trade marks ®

The words "Von Arx" and the "Von Arx" logo are registered and internationally protected trade marks. Their use by third parties is prohibited!

Patents

Various components and processes listed and illustrated in this Operating Manual are patent pending or national and international patents have already been granted.

Illustrations and technical modifications

Illustrations may differ from the real machine and appear without any obligations on our part. In order to meet the rapidly changing customer demands, we reserve the right to make technical modifications without prior notice.

Translations

Solely the English version of this Operating Manual is legally binding. The English version of this manual is considered as the "Original instructions".

Safekeeping

Please keep this Operating Manual in a safe place and available for the user.

Further information

Manufacturer:

Von Arx EOOD,

4000 Plovdiv

Telefon: +359 32 94 05 53

Country of origin: Bulgaria

PRODUCT SPECIFICATIONS

A dust extractor is a machine which extracts, separates and collects dust. The extraction, separation and collection process is performed by a vacuum pumps via 3-way filtering system into a collection bag.

Intentional use

The dust extractors S2/S3 are intended for commercial use.

The machine is designed for collecting and extracting dry, non-combustible dust with an explosion limit value of $>0.1\text{mg/m}^3$.

SAFETY INSTRUCTIONS AND MARKED PARTS

Product responsibility

According to the product liability laws, we are not responsible for damages caused by our product if:

- The product has been improperly repaired.
- The product is repaired with non-manufacturer or non-manufacturer-approved replacement parts.
- The product is equipped with a non-manufacturer or non-manufacturer-approved accessory.
- The product is not repaired at a certified service facility or by a certified authority

Definitions of safety measures

Warnings, cautions, and remarks are included to call attention to sections of the manual that are especially important.



Failing to observe an instruction marked with this sign may lead to serious injury or death.



Failing to observe an instruction marked with this sign may damage the machine or cause damage to property.



Marks any explanatory information or special instructions.

Safety instructions



Always exercise caution and common sense. This section describes the product's fundamental safety instructions for use. This information can never replace professional abilities and experience. Stop and contact a certified technician if you find yourself in a situation where you feel unsafe. Do not undertake tasks in which you lack confidence!



Before using the dust extractor, please read the safety regulations and the entire operator's manual attentively. This manual applies exclusively to the dust extractor S2/S3.

- Verify that you have read and comprehended the product's instructions to ensure that you know what personal protective equipment to wear, what safety equipment to employ, and how to operate the product safely



The dust extractor may only be used with dried, non-explosive substances.



Never allow minors or other untrained individuals to use or service the product. Never allow anyone else to use the product before verifying that they have read and comprehended the operator's manual.



Ensure the assembly area is stable to prevent the product from toppling over. Possibility of physical injury.



Do not move the product by tugging on the hose.



The toggle fastener poses a risk of pinching.



Original replacement parts must be used for the dust extractor S2/S3.



Before performing maintenance on the dust extractor, all connected products must be turned off and disconnected.



Dust can be hazardous to one's health and may be dispersed when cleaning the product. Use protective eyewear, gloves, and a respiration mask class FFP3.



Do not puncture the Longopac bag. Potential for dust dispersal.



Damaged power cables can be dangerous and should be replaced immediately.



Improper connection of the grounding conductor and any modification of the provided power plug can result in a risk of electrical shock. Advise and carry out installation by a qualified electrician.



Before using the dust extractor, make sure that the power & voltage corresponds with the machine's rating plate.



Do not use outdoors or on wet surface, this machine is for indoor and dry use only.



Do not put any object into or block the air inlet (besides during filter cleaning procedure).



Keep hair, loose clothing, fingers and all body parts away from the suction inlet.



Do not use without a collection bag and filters in place. Replace if damaged or clogged.

Safety stickers on the machine



Use protective equipment!

Damaged or lost safety stickers must be replaced immediately. These stickers are obtainable from your Customer Service Center.

PRODUCT OVERVIEW

1. Jetpuls Handle
2. Pre-filter
3. Dust inlet
4. Longopac holder
5. Longopac connection
6. Hour meter
7. Buzzer/Lamp
8. Switch ON/OFF
9. HEPA filter
10. Toggle clamps
11. Manometer

SETTING UP

When unpacking the machine, do a check that the following accessories are included:

- Hose
- Steel tube
- Floor tool
- Air duct adapter
- Connector

If any of the above-mentioned parts are missing, please contact your local distributor or our sales representative. Please dispose of packaging materials and used machine components in an environmentally safe way according to local disposal regulations. Always remember to recycle.

The floor nozzle has adjustable wheels. Adjust the wheels to get the best suction effect. Adjust the wheels with the knob, which is on the rear side of the nozzle.

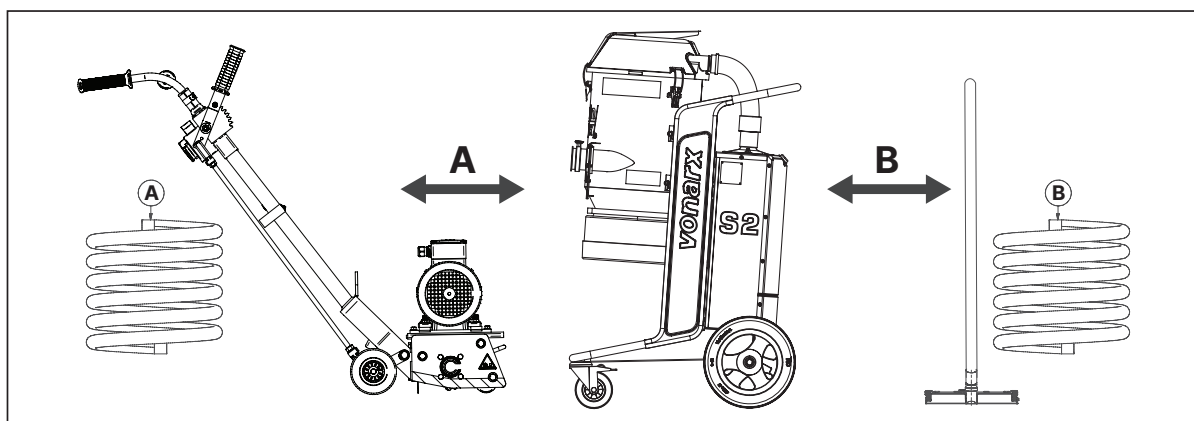
The wheels and rubber strips of the nozzle can be replaced. Keep the nozzle in good condition.

OPERATION

Connecting the product

Direct connection

You can connect the dust extractor with machine via attached hose - \varnothing 50 mm , or with flooring tool via the same hose (B).

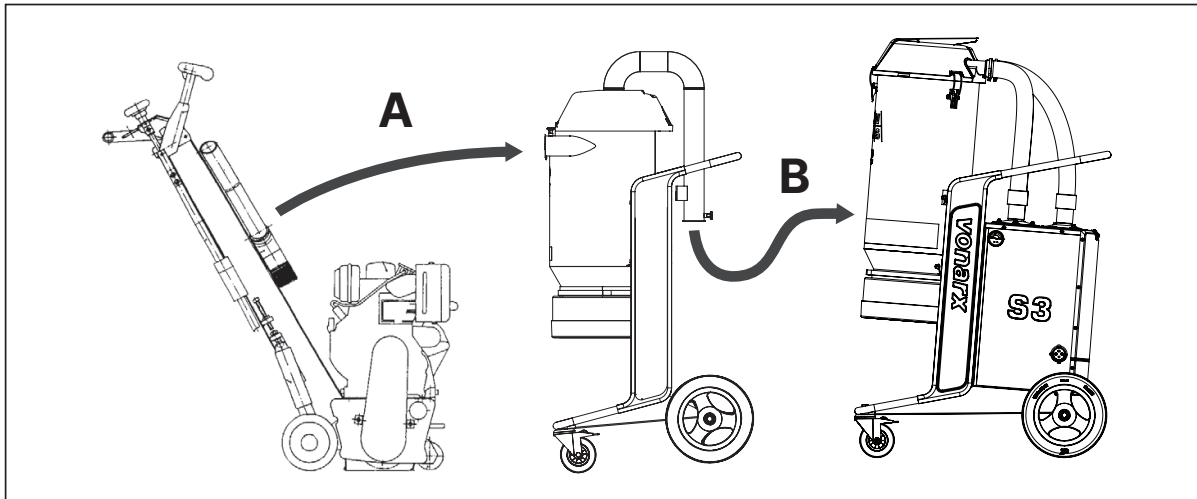


Connection with pre-separator

The usage of a pre-separator upgrades the overall filter cleaning system of the dust extractor to a full 4-stages process. Follow the picture to connect the pre-separator to the dust extractor. The front inlet of the pre-separator should be hooked up to the machine (A), and the rear outlet of the pre-separator should be hooked up to the dust extractor inlet (B).



Use only Von Arx recommended pre-separators.



Operating the machine

The dust extractor is started by the on/off button (1/0).

Once the dust extractor is started the dusty air is sucked through the inlet and the suction hose at high speed. Large dust particles are separated into the cyclone while the air is slowing down. The air containing the fine dust particles continues through the double filter system where separation is made. The accumulated dust into the cyclone is released through the bottom flap into the plastic bag once the dust extractor is switched off.

The machine is designed for reverse air pulse filter cleaning. The filter cleaning process is completed once the dust from the tank falls into the collection bag.

In some cases the dust can be stuck on the inner side of the tank or the collecting bag. To release it one must hit the dust through the bag or tap the tank using a rubber hammer.

The dust extractor is equipped with a safety thermal motor protection to prevent overheating. If the thermal protection is activated the motors will switch off. Turn off machine, unplug it and check for full dust bag, hose clog or filter blockage. It may take up to an hour for the thermal protection to reset.



Before use, the operator must be trained in the handling of the dust extractor and the hazardous dust.



The pre-filter and the Hepa filter need to be changed if the pressure stays low.

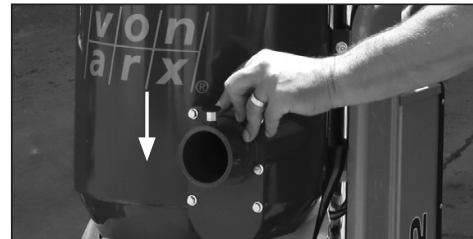
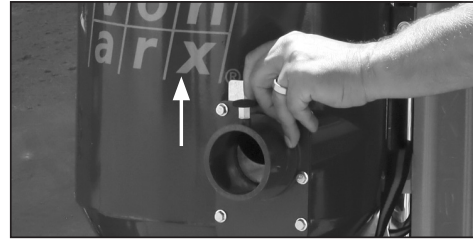
Pre-filter cleaning

Sometimes you have to clean the filter. This needs to be done before the bag collection system is changed, after work is done, and whenever there is bad flow.

How to do it?

- Pull up the inlet closing plate or close the inlet using the attached closing adapter and let the machine build up vacuum for 5 sec.
- Press the cover lever quickly and then release it.
- Do it five times as you let the machine build up vacuum between each round.
- Stop the dust extractor and wait for the motor to stop fully.
- Push down the inlet closing plate or remove the closing adapter to open the inlet.

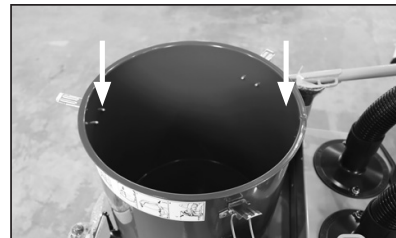
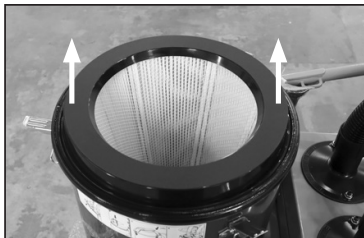
The pre-filter needs to be changed if the pressure stays low. If the flow is still bad after that, the Hepa filters need to be changed.



Filter change

Pre-filter

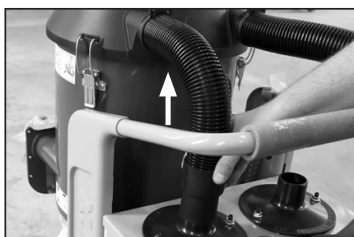
- Loosen the hooks connecting the tank compartments.
- Remove the hoses from the hepa top covers then lift the tank cover.
- Slowly lift the filter up and take it out.
- Flip it over carefully and put a plastic bag over the filter unit. Tie it up tightly and throw away or dispose properly.



- Put the new filter into the tank.
- Turn back the tank cover, connect the hoses to the hepa top covers and lock the tank hooks.

Hepa filter

- Release the hose from the top cover of the hepa filters.
- Loosen the screws and remove the covers.
- Slowly lift the filters up and take them out.
- Put it carefully in a plastic bag. Tie it up tightly and throw away or dispose properly.
- Put the new filter into the hepa tube.
- Close the cover, fasten the screws and reconnect the hoses from the cover.





Hepa filters have to be changed simultaneously as set.



Dust can be hazardous to one's health and may be dispersed when cleaning the product. Use protective eyewear, gloves, and a respiration mask class FFP3.



Before performing maintenance on the dust extractor, all connected products must be turned off and disconnected.



Before cleaning and servicing the machine, you must switch the machine off and unplug it.



You can't clean Hepa filters; if you try, you might damage them. Make sure not to touch the inside of the filter when you put the new one in. The new filter will not work if there is any force or damage on the inside of the filter media.

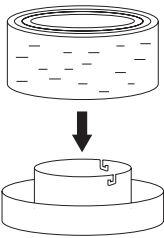
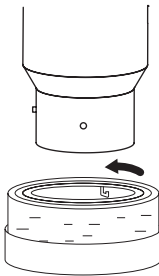
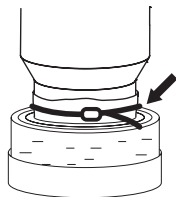
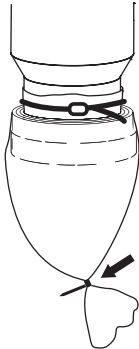
New Longopac dust bag assembly



Always clean the pre-filter before change of bag collection system.



The dust extractor has Longopac system.

			
<p>1. The dust bag should be put in the holder</p>	<p>2. Attach the dust bag attachment by twisting it onto the container's holding pins.</p>	<p>3. Pull the bag up from the bag holder and put it around the container</p> <p>4. Tighten a strap around the bag and the container to secure the bag to the container</p>	<p>5. Pull the dust bag over the bag holder.</p> <p>6. Close the bottom of the dust bag with a cable tie.</p>

CARING AND MAINTENANCE

- You have to turn the machine off and unplug it from the power source when you need to clean or fix it.
- Don't use a high-pressure cleaner to clean. If you have to, don't point at the machine's holes, especially the one for the air to cool it.
- The machine needs to be cleaned before it can be moved from the work area.
- The right personnel safety equipment must be used. When the pre-filter and the HEPA filter are to be replaced, dust can be spread, which is hazardous for your health. So, Use safety goggles, safety gloves, and a breathing mask with protection class FFP3.
- All parts that are dirty after repair must be thrown away properly in plastic bags, as per local regulations.
- Don't damage or brake the Hepa filter. There is a risk the dust can spread.

TROUBLESHOOTING

THE PROBLEM	THE REASON	THE ANSWER
MOTOR DOESN'T START	NO POWER	PLUG IN MACHINE
	DEFECTIVE CABLE	REPLACE CABLE
	CONTACTOR COMBINATION DEFECTIVE	REPLACE SWITCH
	PHASE ERROR (RED LAMP LIGHTS UP)	REVERSE PHASES
	THERMAL PROTECTION ACTIVE	CLEAN OR REPLACE FILTERS, CHECK HOSE AND INLET BLOCKAGE, RESTART MACHINE.
MOTOR STOPS IMMEDIATELY AFTER STARTING	WRONG FUSE	CONNECT TO CORRECT FUSE
	SHORTCUT IN CABLE/MACHINE	ORDER SERVICE
MOTOR RUNS BUT THERE IS NOT SUCTION	HOSE NOT CONNECTED	CONNECT HOSE
	HOSE BLOCKED	CLEAN HOSE
	NO DUST COLLECTION BAG	FIT DUST COLLECTION SYSTEM
MOTOR RUNS BUT POOR SUCTION	HOLE IN HOSE	REPLACE HOSE
	FILTER CLOGGED	CLEAN FILTER/REPLACE FILTER
	LOOSE TOP COVER	ADJUST
	DIRT IN THE FLAP	CLEAN THE FLAP
	DEFECTIVE GASKETS	REPLACE AFFECTED GASKETS
DUST BLOWN FROM MOTOR	WRONGLY ASSEMBLED OR DAMAGED FILTER-SYSTEM	ADJUST/REPLACE FILTERS
ABNORMAL NOISE		ORDER SERVICE

TECHNICAL SPECIFICATIONS

S201-EU		S202-UK	
VOLTAGE	230V, 50 HZ	VOLTAGE	115V, 50 HZ
MOTOR	2X1200 W	MOTOR	2X1000 W
AMPERAGE	11.8 A	AMPERAGE	16 A
AIR FLOW	400 M3	AIR FLOW	235 CFM
VACUUM	22 KPA	VACUUM	100" H2O
PRE FILTER	CONICAL POLYESTER	PRE FILTER	CONICAL POLYESTER
PRE FILTER SURFACE	2.3 M ²	PRE FILTER SURFACE	24.8 FT ²
HEPA FILTER	H13	HEPA FILTER	H13
HEPA FILTER SURFACE	2.4 M ²	HEPA FILTER SURFACE	25.8 FT ²
JET PULSE FILTER CLEANING	YES	JET PULSE FILTER CLEANING	YES
COLLECTION	LONGOPAC	COLLECTION	LONGOPAC
WEIGHT	52 KG	WEIGHT	114LBS
MACHINE SIZE	786X547X1272 MM	MACHINE SIZE	31X21.5X50"
BOX SIZE	800X561X1300 MM	BOX SIZE	31.5X22X51"
S203-US		S301-EU	
VOLTAGE	115V, 60 HZ	VOLTAGE	230 V, 50 HZ
MOTOR	2X1000 W	MOTOR	3X1200W
AMPERAGE	16 A	AMPERAGE	16 A
AIR FLOW	235 CFM	AIR FLOW	600 M3
VACUUM	100" H2O	VACUUM	22 KPA
PRE FILTER	CONICAL POLYESTER	PRE FILTER	CONICAL POLYESTER
PRE FILTER SURFACE	24.8 FT ²	PRE FILTER SURFACE	4.5 M ²
HEPA FILTER	H13	HEPA FILTER	H13
HEPA FILTER SURFACE	25.8 FT ²	HEPA FILTER SURFACE	3.6 M ²
JET PULSE FILTER CLEANING	YES	JET PULSE FILTER CLEANING	YES
COLLECTION	LONGOPAC	COLLECTION	LONGOPAC
WEIGHT	114LBS	WEIGHT	75 KG
MACHINE SIZE	31X21.5X50"	MACHINE SIZE	935X547X1537 MM
BOX SIZE	31.5X22X51"	BOX SIZE	950X561X1565 MM
S302-UK		S303-US	
VOLTAGE	115V, 50 HZ	VOLTAGE	115V, 60 HZ
MOTOR	3X700W	MOTOR	3X700W
AMPERAGE	16 A	AMPERAGE	16 A
AIR FLOW	285 CFM	AIR FLOW	285 CFM
VACUUM	80" H2O	VACUUM	80" H2O
PRE FILTER	CONICAL POLYESTER	PRE FILTER	CONICAL POLYESTER
PRE FILTER SURFACE	48.8 FT ²	PRE FILTER SURFACE	48.8 FT ²
HEPA FILTER	H13	HEPA FILTER	H13
HEPA FILTER SURFACE	38.8 FT ²	HEPA FILTER SURFACE	38.8 FT ²
JET PULSE FILTER CLEANING	YES	JET PULSE FILTER CLEANING	YES
COLLECTION	LONGOPAC	COLLECTION	LONGOPAC
WEIGHT	165.3 LBS	WEIGHT	165.3 LBS
MACHINE SIZE	37X21.5X60.5"	MACHINE SIZE	37X21.5X60.5"
BOX SIZE	37.5X22X61.5"	BOX SIZE	37.5X22X61.5"

Sound power level L_{wa} measured: **≤80 dB(A)**

Sound pressure level L_{pa} at the operators ear: **≤70 dB(A)**

SPARE PARTS AND ACCESSOIRES

Conical prefilter S2 - 7500016		Front casters - 7500165	
Conical prefilter S3 - 7500024		Rear wheels - 7500014	
Hepa filter - 7500000		Soft start 230 V, S2 - 7500172	
Longopac - 7500017		Soft start 120V - 7500196	
Longopac holder - 7000016		Soft start 230 V S3 - 7500137	
3 piece 50 mm / 2" wand- 7500142		Motor 230 V, S2/S3 - 7500020	
Floor tool - 7500143		Motor 120 V, S2, UK/US - 900827	
Rubber squeegees, pair - 7509996		Motor 120 V, S3, UK/US - 7500135	
Hose end cuff 50 mm / 2" - 7500018		On/Off switch - 7500001	

Connector D51 hose with V sealing - 800161		Hose set D50 mm- 7001064	
Hose set D63 (S3 only) - 7001159		Connector D63 hose V sealing (S3 only)- 7001158	
Pre-separator for mono-phase dust extractors - C301			



You can download the full spare parts list from our website - www.vonarx.com.

WARRANTY

Von Arx EOOD guarantees perfect operation of the unit for a period of 24 months from the date of purchase. If the product is used in shift operation this warranty period is halved.

Von Arx EOOD checks all units to ensure they are complete and operating correctly before they leave the works.

The customer must check the machine for any defects or damage in transit immediately on receipt and must inform the sales center and the forwarding agent of any damage or defect without delay.

Von Arx EOOD undertakes to correct all faults demonstrably due to defective materials or workmanship within the stated warranty period as quickly as possible or will arrange repair through an official Von Arx Service and sales center.

No liability whatsoever can be accepted for damage due to incorrect handling, disregarding this Operating Manual, overloading, unsuitable use, incorrect maintenance or natural wear and tear. Repairs or modifications made by the purchaser or third parties without our permission in writing are the responsibility of the customer and immediately void our warranty.

In addition, no claim can be considered under the warranty if any parts other than those manufactured or recommended by Von Arx EOOD are used.

Blades are parts subject to wear and, owing to this, are not covered by warranty.

Von Arx EOOD cannot be held liable for any damage or loss incurred by the purchaser directly or indirectly (consequential loss, loss of profit, extra costs, etc.).

Bought parts such as engines, motors, switches etc. are guaranteed within the warranty determination of the corresponding suppliers.

To prove qualification for a warranty you will need the warranty card and a corresponding commercial invoice of your sales center.

EC DECLARATION OF CONFORMITY

In the sense of the EC machine directive 2006/42/CE

We hereby declare that the equipment described below including its concept, construction and design as marketed by our company complies with the relevant fundamental safety and health requirements of the EC directive. This declaration becomes invalid on any unauthorised modification of the equipment.

DESIGNATION:	INDUSTRIAL DUST EXTRACTORS
TYPE:	S2/S3
SERIAL NR.:	ALL MANUFACTURED
YEAR OF MANUFACTURE:	2024
COUNTRY OF ORIGIN:	BULGARIA
NORMS APPLIED EU/UK:	2011/65/EU 2014/30/EU 2014/35/EU BDS EN 55014-1:2021 BDS EN 55014-2:2021 BDS EN 61000-4-2:2009 BDS EN 61000-4-4:2012 BDS EN 61000-4-5:2014+A1:2018 BDS EN 61000-4-6:2014 BDS EN 61000-4-11 EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019 +A15:2021 EN 60335-2-69:2012 EN IEC 63000:2018
NORMS APPLIED US	IEC 60335-1:2020
MANUFACTURER:	VON ARX EOOD 20, NEDYALKA SHILEVA STR. 4000 PLOVDIV BULGARIA
RESPONSIBLE FOR DOCUMENTATION:	ENG. MARIA SPASOVA
PLACE AND DATE:	4000 PLOVDIV, BULGARIA 20 JUN 2024

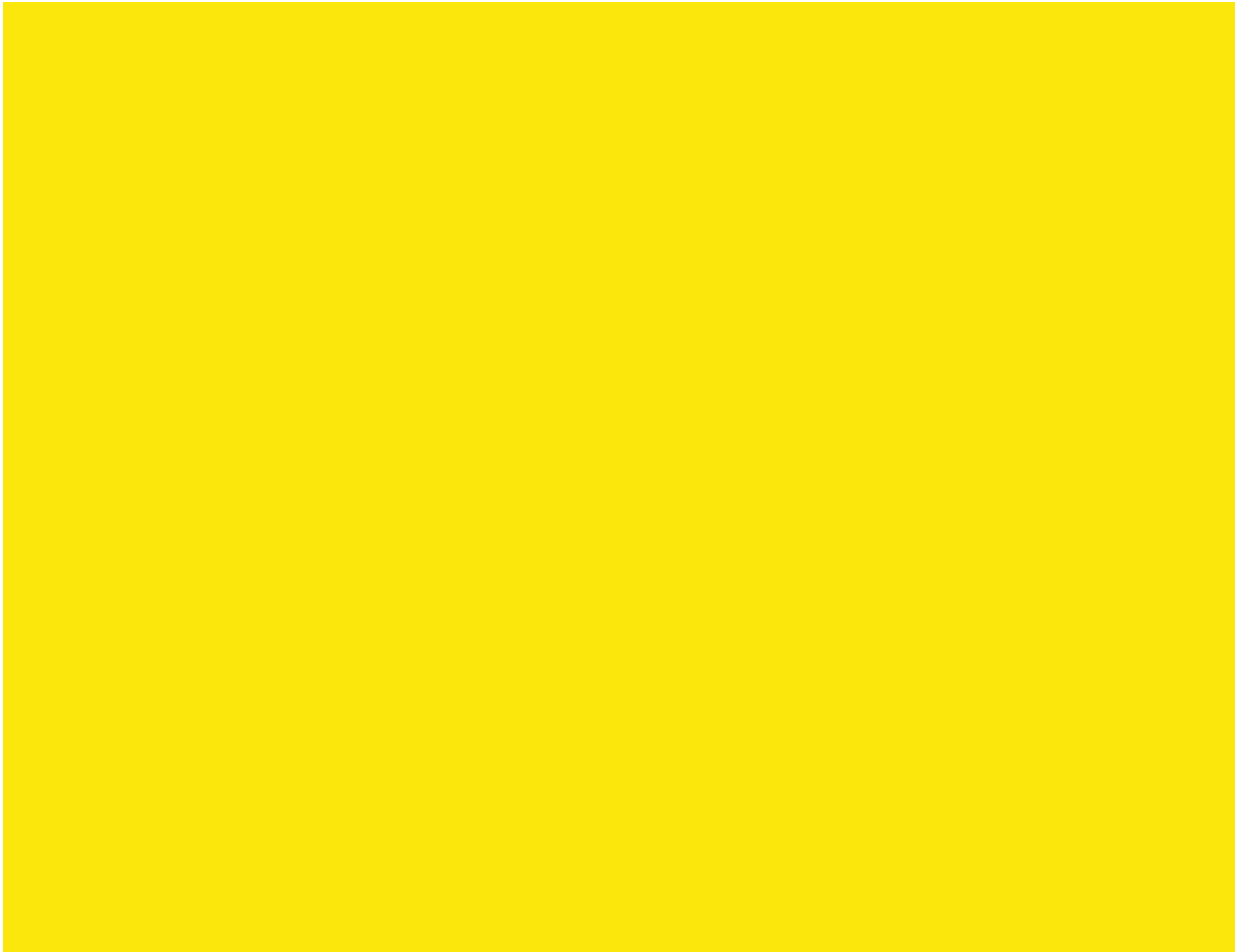


Fredrik Åkermark

Owner

Von Arx EOOD







Recycling



ENVIRONMENTAL PROTECTION: Please recycle any unwanted materials as opposed to disposing them as general waste. It is recommended the original is retained and used to store the product when not in use for prolonged periods of time. If this is not applicable ensure the materials are sorted and recycled in accordance with local regulations.



SPECIFICATION CHANGE: It is our policy to continually improve products to ensure these meet the rigours of the industry we serve. Therefore, as such we reserve the right to alter specifications, data, components & parts with-out prior notice.

WARRANTY: Please refer to the manufactures terms & conditions.

IMPORTANT: No liability will be accepted for the incorrect use of this product.

KEEP THIS BOOKLET FOR FUTURE REFERENCE

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