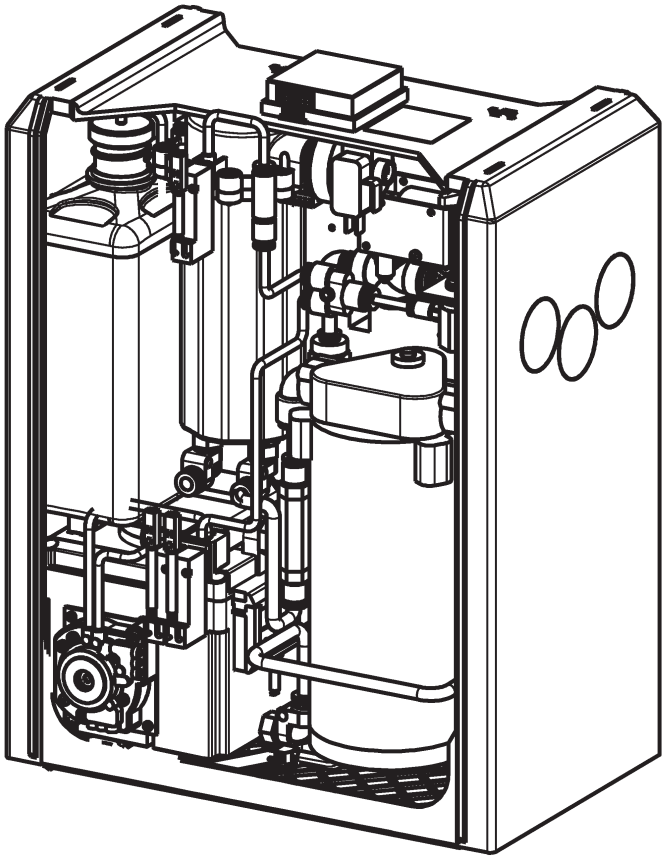
WEK

Instructions for use

EN | 200004301 | 2024-04



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A hardcopy of the instructions for use will be made available to you free of charge and within seven calendar days of receipt of the request.

Translations

Translation of the original instructions for use

Tetras GmbH
Sirius Business Park, Rupert-Mayer-Str. 44, 81379 Munich, Germany

Images

The images contained in these instructions for use are for reference and may differ from the actual appearance of the product.

1. Notes

1.1. General instructions

METASYS can only guarantee the safety, reliability and performance of the dental device if the following instructions are adhered to:

> The product is only to be used in accordance with the instructions for use.
> During maintenance and service work (inspection, service, repair, replacement), only use original replacement parts.
> All manufacturer specifications for the treatment units to which the device is connected must be observed.
> After commissioning, complete the proof of installation and send this to METASYS in order to define the warranty period.
> All maintenance and service work must be entered into the device logbook.
> On request by an authorised technician, METASYS will provide all documentation that may be of use to technically qualified personnel during maintenance and service works
> METASYS accepts no responsibility for damage that may arise due to external influences (defective installation), using incorrect information, improper use of the dental device, or maintenance and service works being carried out improperly.
> The user must familiarise himself/herself with how to operate the dental device and ensure that the dental device is in good condition each time before operating it.

Important: Read the accompanying documents of the device carefully before installation, commissioning and use and keep them for the entire service life of the product!

1.2. Explanation of the symbols

CE mark	End device ready for operation	Use eye protection
Medical device	Loudspeaker	Use mouth and nose protection
Item number	Sound	Unplug from mains
Serial number	Inclination / slope	General warning sign
Manufacturer	Maximum installation altitude	Warning of electrical voltage
Date of manufacture	Blower / fan	Information
Follow instructions for use	On | Off	Download
Follow instructions for use with reference to eIFU	Separate collection of electrical/ electronic equipment (WEEE)	Do not cut
	Protective earthing	Maintenance / service
Temperature limit	Protection class II	Stop operation
Caution / attention	Applied part type BF	Protect from heat / Protect from sunlight
Beware of electric shock	Applied part type B	Protect from moisture / Store in a dry place
Humidity limit	Responsible for the translation	Fragile
Tank empty	Observe instructions for use	Package orientation at the top

Fault on end device	Use hand protection	Stacking limit n = (quantity)
CH REP Name and address of the authorized representative's registered office in Switzerland	UDI Unique identifier of a medical device	HIBC UDI marking with standard compliant HIBC data content

1.3. Copyright notice

All names and contents are protected by copyright. Distribution, duplication or alternative use of this document is only permitted with the written consent of METASYS Medizintechnik.

2. Intended use

The water decontamination system WEK is used for software-controlled dosing of GREEN&CLEAN WK into the water supply of medical treatment units and for separating the treatment water from the supplying pipe.

2.1. Indication

Not applicable.

2.2. Contraindication

Not applicable.

2.3. Target group

The device shall be used by trained and qualified personnel exclusively.

3. Safety-related information

3.1. General safety-related information

All serious incidents related to the device must be reported to the manufacturer and the competent authority of the Member State where the user and/or the patient is resident.

3.2. Safety instructions

Assembly, modifications or repairs may only be carried out by authorised qualified personnel who guarantee compliance with the EN 60601-1 standard (international standard on Medical Electrical Equipment and Systems, in particular part 1: General requirements for basic safety).

The electrical installation must comply with the regulations of the IEC (International Electrotechnical Commission).

Medical devices should be handled with care with regard to electromagnetic compatibility. Special safety measures must therefore be taken.

The device is not suitable for operation in explosive areas or in flammable atmospheres.

3.3. Warnings

Danger	Warning of a danger that will directly result in serious injury or death
Warning	Warning of a danger that can result in serious injury or death
Caution	Warning of a danger that can result in minor injury
Attention	Warning of a danger that can result in extensive damage to property

4. Product description

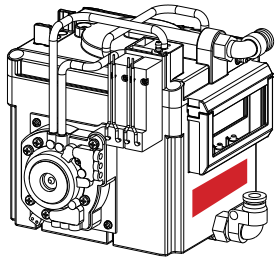
4.1. Product description

The water decontamination system WEK is used for software-controlled dosing of GREEN&CLEAN WK into the water supply of medical treatment units and for separating the treatment water from the supplying pipe.

4.2. Technical data / performance data

WEK	Built-in version	with cover
Power supply	24 V AC	230 V AC
Frequency	50/60 Hz	50/60 Hz
Max. current consumption	1,2 A	100 mA
Permissible water pressure	1 - 6 bar	1 - 6 bar
Operating water pressure	2,5 bar	2,5 bar
Permissible air pressure	3,5 - 8 bar	3,5 - 8 bar
Operating air pressure	3,5 bar	3,5 bar
Max. water flow rate	1 l/min	1 l/min
Disinfectant	GREEN&CLEAN WK hydrogen peroxide, 2% solution	GREEN&CLEAN WK hydrogen peroxide, 2% solution
Mixing ratio	1:85 Standard setting 1:42 Intensive decontamination	1:85 Standard setting 1:42 Intensive decontamination
Working solution	235 ppm	235 ppm
Weight	5,9 kg	9,8 kg
Dimensions (H x W x D)	without bottle: 220 x 160 x 115 mm with bottle: 235 x 160 x 115 mm	335 x 265 x 160 mm
Water consumption - syringe	100 – 130 ml/min	100 – 130 ml/min
Water consumption - turbines, straight and contra-angle handpieces	50 – 70 ml/min	50 – 70 ml/min
Water consumption - mouth rinsing cup	150 ml/filling of mouth rinsing cup	150 ml/filling of mouth rinsing cup
Class	MD class 1	MD class 1

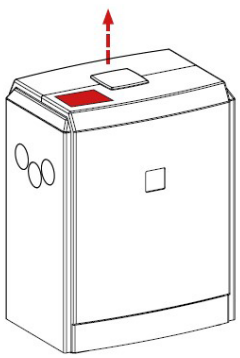
4.3. Type plate



WEK Built-in version

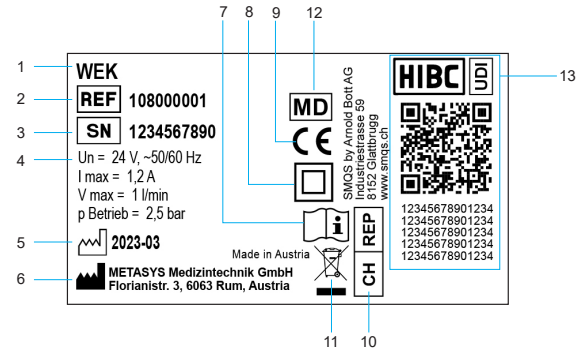
For versions without a mounting plate, the type plate is located on module 4 (mixing container).

For versions with a mounting plate, the type plate is located on the mounting plate.



WEK with cover

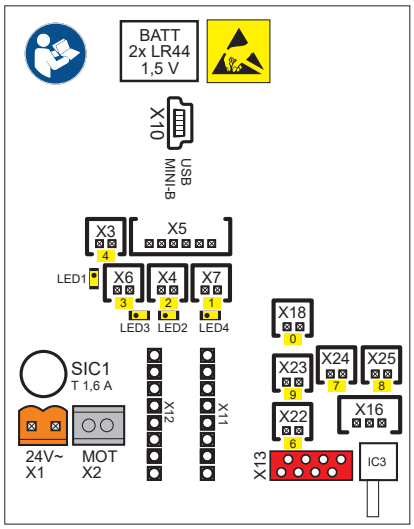
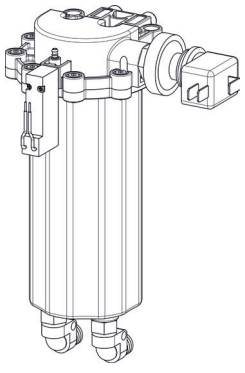
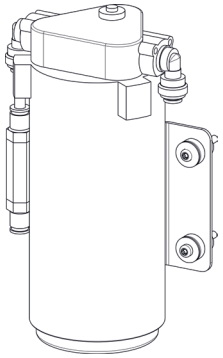
The type plate is located on the housing (next to the external display - push the lid of the cover upwards).

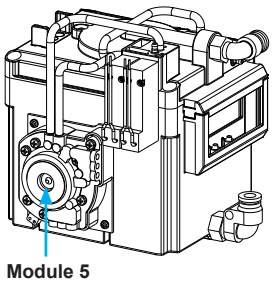
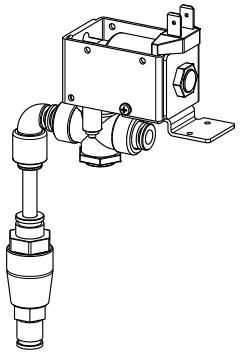
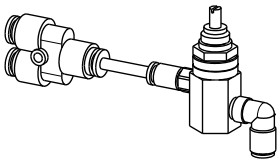
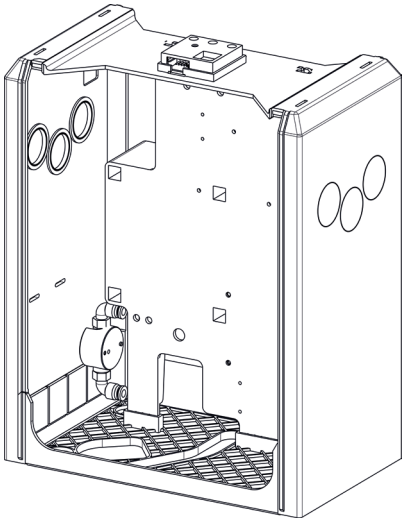


Example picture

1	Device description
2	Item number
3	Serial number
4	Connection data
5	Date of manufacture
6	Manufacturer
7	Follow instructions for use
8	Protection class II
9	CE mark
10	Name and address of the authorized representative's registered office in Switzerland
11	Separate collection of electrical/electronic equipment (WEEE)
12	Medical device
13	Unique identifier of a medical device, UDI marking with standard compliant HIBC data content

4.4. Construction

Module 1	Control electronics	
Module 2	Pressure tank; the water pressure is built up in this tank. In addition to the tank, the module contains a magnetic valve, a pressure switch and a non-return valve.	
Module 3	Membrane pump; contains pump and non-return valve.	

Module 4	Mixing tank; this is where the water (after the free-fall section) is mixed with the disinfectant. This module contains the tank, level and outlet probe, as well as 2 magnetic valves and a disinfectant sensor.	
Module 5	Double membrane pump and membrane rupture sensor	
Module 6	Water unit; consisting of a flow rate limiter and dosing valves	
Module 7	Compressed air unit; this is a pressure regulator.	
Module 8	Additional housing (optional); consisting of housing, mounting plate, main water tap with pre-filter (80 µm), transformer and main switch.	

4.5. Functional description

After opening the tap and switching on the device, the dosing valve is opened and 150 ml of water is added to the mixing container.

The water level in the mixing container is monitored by an electronic level probe A. If the contact on this probe is triggered, magnetic valves 2 (compressed air) and 1 (GREEN&CLEAN WK) open. As a result, the compressed air-operated double membrane pump draws approx. 1.75 ml of hydrogen peroxide from the GREEN&CLEAN WK bottle and adds it to the mixing container.

If the water level drops below level probe A, the dosing valve opens again until overflow probe B is reached. When this probe is reached, 300 ml of water has now been added to the mixing container. Magnetic valves 2 and 1 now open again and add additional 1.75 ml of GREEN&CLEAN WK to the mixing container. This ensures that the required concentration of disinfectant solution is continuously maintained.

The water inlet in the mixing tank is designed as a free fall section, which ensures that the WEK is separated from the water supply network as required by DVGW (DIN 1988, Part 4). A backflow of contaminated water or water mixed with GREEN&CLEAN WK to the supply network is therefore no longer possible.

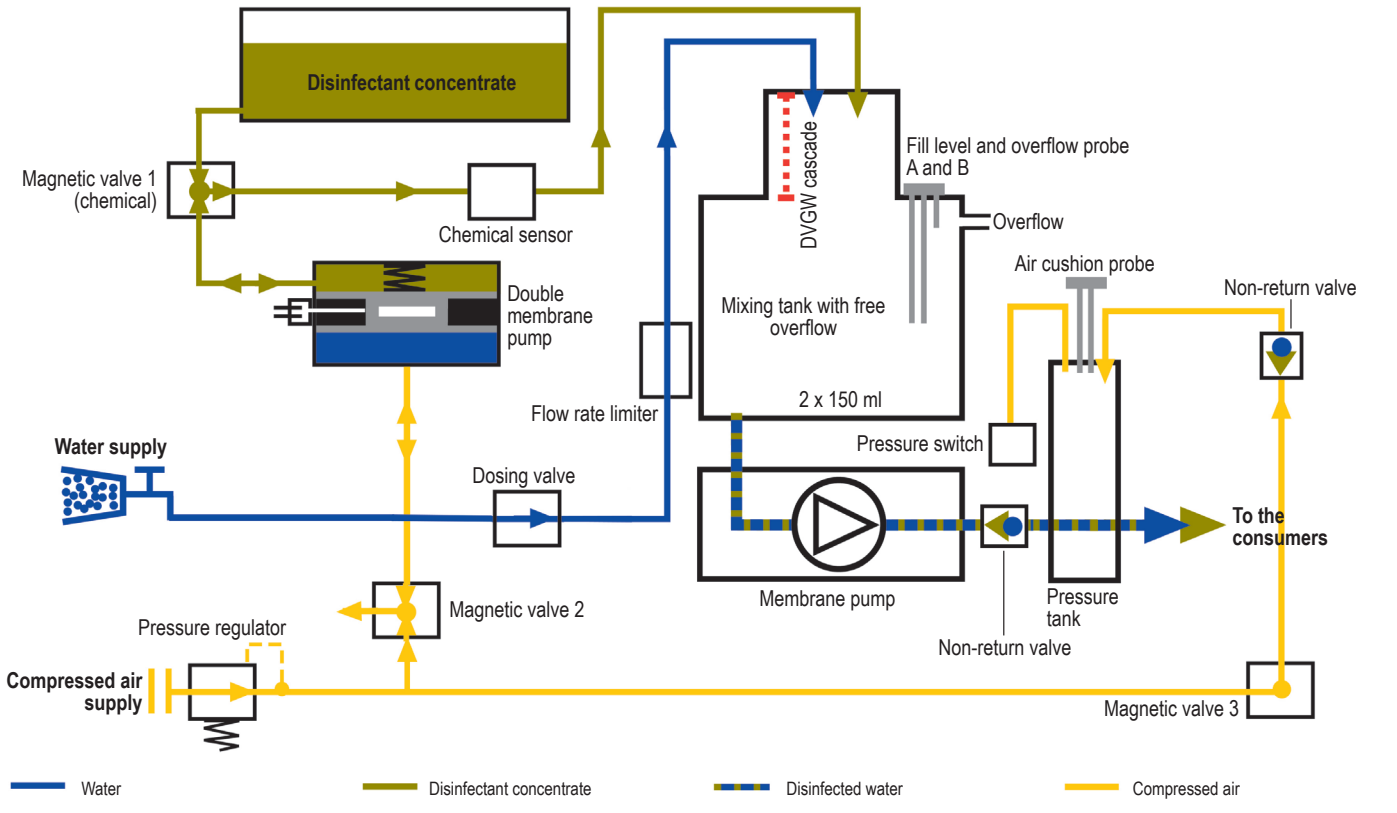
If a consumer is activated, the consumption medium flows from the mixing tank via the pressure tank to the corresponding consumers.

This lowers the water level in the pressure tank and consequently the water pressure. The membrane pump is started by means of a pressure switch attached to the pressure tank and set to 2.5 bar. This membrane pump is responsible for emptying the mixing tank or filling the pressure tank and for maintaining the necessary flow pressure.

An air cushion in the pressure tank compensates for the water level. If necessary, the air cushion is balanced with compressed air (magnetic valve 3) - all this to ensure a stable water jet for the consumers. The air cushion probe ensures that the air pressure remains constant.

The disinfectant is drawn from the GREEN&CLEAN WK bottle. A disinfectant sensor monitors the presence of GREEN&CLEAN WK. If no more disinfectant can be delivered (e.g. because the disinfectant bottle is empty), an error message is shown.

Please note that only GREEN&CLEAN WK may be used, as the electronic sensor system is matched to it!



5. Preparation for use

5.1. Transport and storage

Device with cover: The device is shipped in two polystyrene trays fastened together in a cardboard box.

Built-in version: The device is shipped in a cardboard box with bubble wrap.

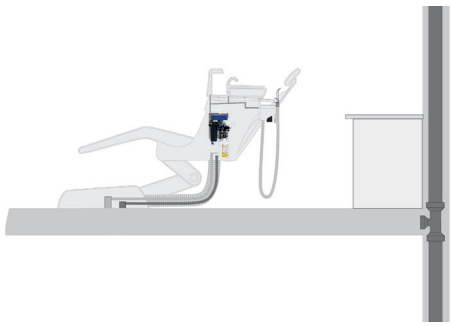
This original packaging must be used for any onward and return transport. The device must always be transported and stored in an upright position. The device must be transported to the installation site in a completely packed state. After unpacking the device, check for completeness and possible transport damage.

	Transport and storage temperature	0 °C – 70 °C
	Transport and storage humidity limitation	max. 80%

5.2. Installation requirements

	Operating temperature	10 °C – 40 °C
	Humidity limit	max. 70%
	above sea level	≤ 3000 m

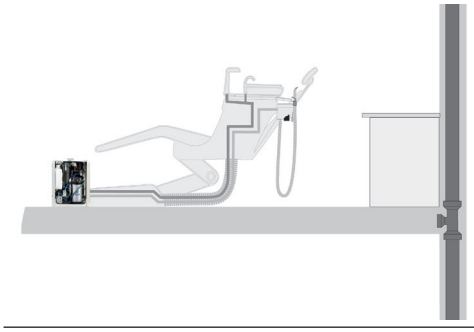
5.2.1. Assembly variants



Installation in the treatment unit

The direct integration of the water disinfection system into the treatment unit should be the preferred solution, as the hose and compressed air routes to the device can be kept as short as possible.

In the unit, vibration-free suspension of the device on load-bearing parts of the treatment unit must be ensured.

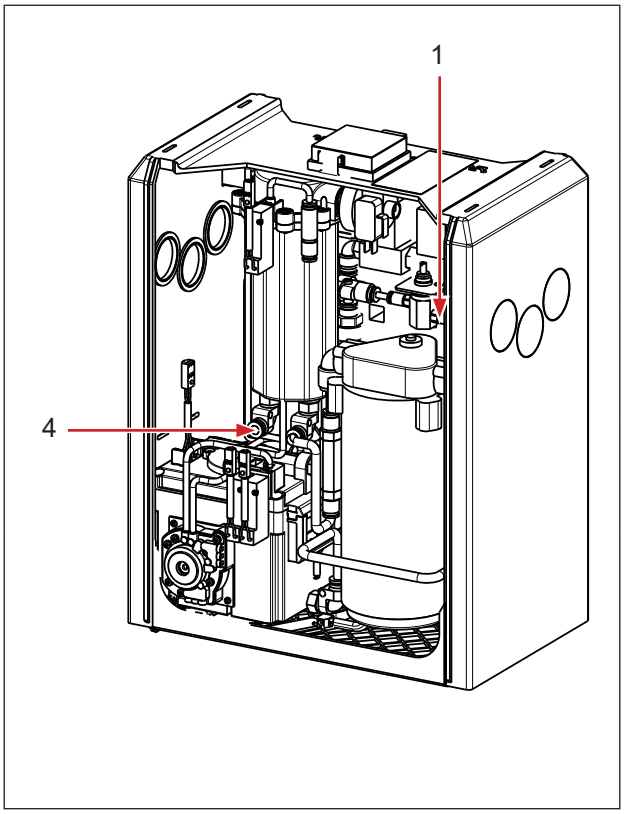


Installation with cover

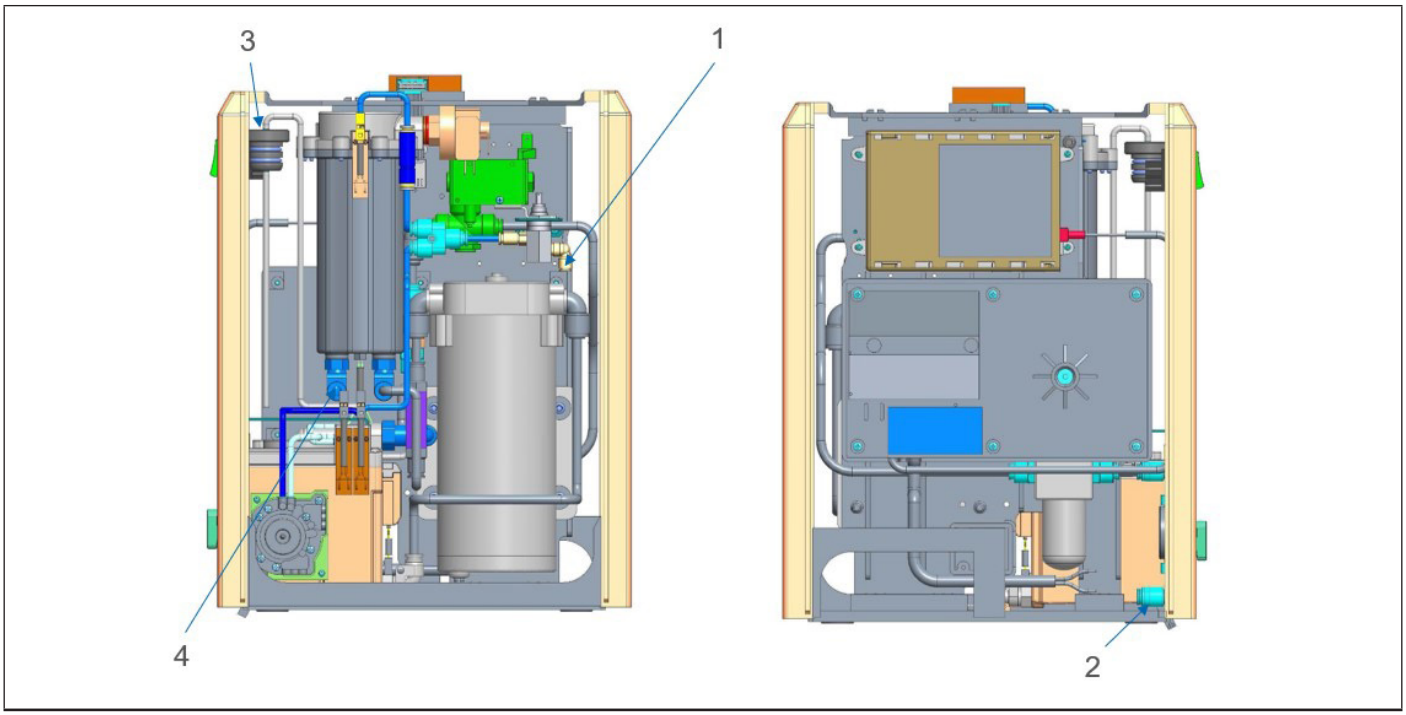
If it is not possible to install the device directly in the treatment unit, the set-up can also be carried out in the optionally available cover.

The cover should be mounted on the connection box of the treatment unit. The external display and a transformer are already integrated in the cover.

5.2.2. Pipe and hose connections



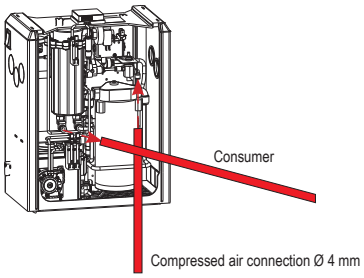
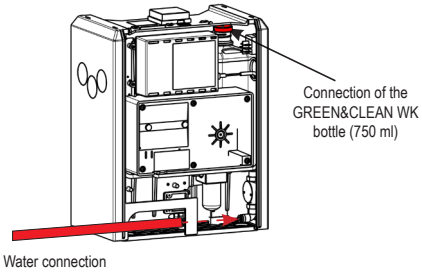
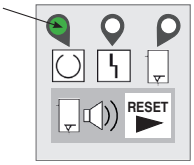
1	**Compressed air connection** Permissible inlet pressure 3.5 - 8 bar PUR hose Inner diameter = 2.5 mm / outer diameter = 4 mm
2	**Water connection (fresh water)** Permissible inlet pressure 1-6 bar PE/PA hose (with KTW approval) Inner diameter = 4 mm / outer diameter = 6 mm
3	**GREEN&CLEAN WK bottle connection** PVC hose Inner diameter = 2 mm / outer diameter = 4 mm
4	**Water outlet connection (to the consumers)** PUR hose Inner diameter = 4 mm / outer diameter = 6 mm



5.2.3. Filter / pre-filter

If not already integrated in the treatment unit, a pre-filter with a maximum mesh size of 80 µm must be fitted upstream of the water connection of the WEK.

5.3. Installation, assembly and commissioning

1	Read the instructions carefully before installation and commissioning!	
	Meet spatial requirements	see 5.2. Installation requirements
2	Connecting the compressed air and the consumer	
3	Fresh water connection (water connection) (PE/PA hose with KTW approval; permissible inlet pressure: 1 - 6 bar) Connection of the GREEN&CLEAN WK bottle (750 ml)	
4	Connect the electrical connections according to the instructions	see 5.4 Electronics
5	Only for WEK with cover: First open the ball valve, then switch on the device	
6	When LED 1 lights up green, the device is ready for operation	
7	Inform the dentist about product function, operation, care and warranty conditions. Fill in the installation proof and device logbook and return them to METASYS (installation@metasys.com)	

5.3.1. Installation and assembly of optional accessories, retrofit parts and spare parts

Assembly, modifications and repairs may only be carried out exclusively by authorised specialist personnel (see 3.2. Safety instructions)! The METASYS technical customer service is also available for further information and assistance in carrying out repairs, retrofitting, fault analyses, etc.

Please note that the transformer is still live when the device is switched off (main switch WEK set to OFF)! Before carrying out any installations or repairs, disconnect the device from the mains using the device/practice main switch!

5.3.2. Connecting to other devices

When connecting the METASYS device to other devices or systems, hazards can arise. It must therefore be ensured that no hazards arise for the user or the patient and that the environment is not affected. The specifications of the manufacturer of the device or system to be connected must be observed.

5.4. Electronics

The mains connection may only be carried out by a qualified electrician. The electrical installation must be carried out in accordance with the applicable local regulations. Before connecting to the mains, compare the rated voltage on the device type plate with the mains voltage.

Main switch:

It must be ensured that the power supply is connected after the device/practice main switch.

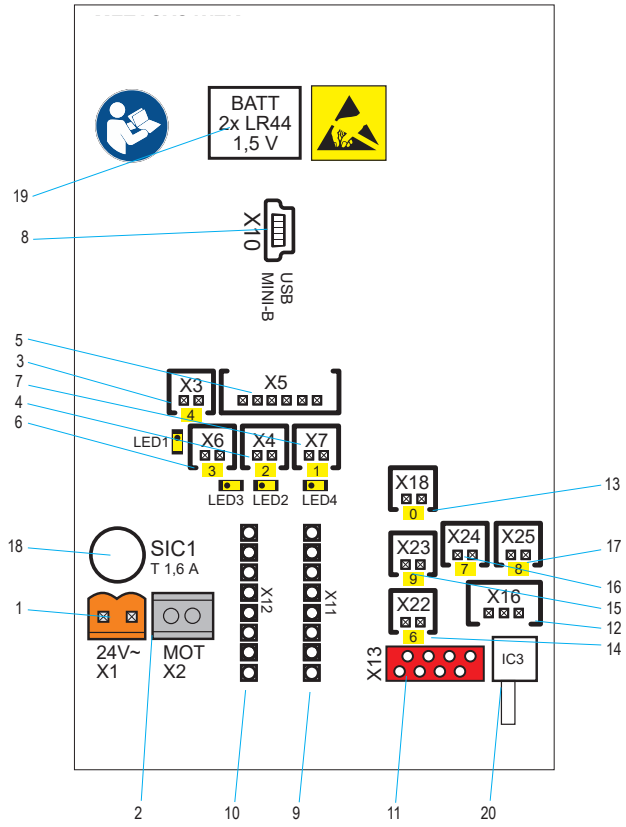
Danger:

The supply voltage must be taken from a safety transformer that meets the requirements of EN 60601-1 and EN 61558-2-6.

Danger:

Fuses may only be replaced by the same type!

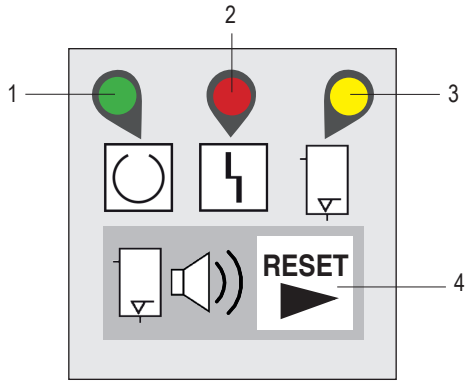
5.4.1. Electrical connections / circuit diagram



1	X1 - Power supply 24 V AC (orange)
	The supply voltage must be taken from a safety transformer that meets the requirements of EN 60601-1 and EN 61558-2-6.
2	X2 - Pump motor connection
3	X3 - Air cushion magnetic valve on the pressure tank (MV4, LED1)
4	X4 - Compressed air magnetic valve (MV3, LED3)
5	X5 - External display
6	X6 - Magnetic valve disinfectant (MV2, LED2)
7	X7 - Magnetic valve water inlet (MV1, LED4)
8	X10 - USB Mini-B connection
9	No function
10	No function
11	No function
12	X16 - SP1+2 Fill level in mixing container
13	X18 - Pressure switch pressure tank
14	X22 - SP3 Level sensor on pressure tank
15	X23 - SP4 Overflow probe mixing container
16	X24 - SP5 Disinfectant sensor
17	X25 - SP6 membrane rupture sensor
18	Main fuse MST 1.6 A/ UN 250V (Fuses may only be replaced by the same type!)
19	Back-up battery 2x LR44 1.5 V
20	IC3 - No function

6. Use

6.1. External display



1	LED 1	green	ready for operation
2	LED 2	red	Fault see 6.4 Error messages
3	LED 3	yellow	Disinfection display
4	RESET	no color	RESET button

6.2. Normal operation

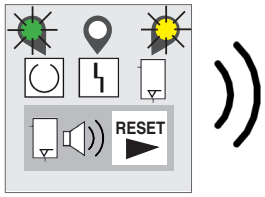
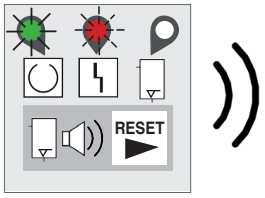
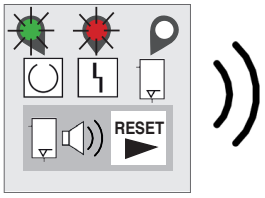
Program	Description
Switching on / test routine	During the switch-on process, the WEK carries out an automatic test routine during which LED 1 flashes rapidly.
	In the event of an error, the device does not go into operation; the error is displayed on the control panel (see 6.4).
	After a successful test, LED 1 lights up constantly, LED 3 lights up briefly and the device is ready for operation.

6.3. Additional programs

Program	Description
Automatic emptying	To empty the device during operation, press and hold the RESET button for 8 seconds (LED 1 flashes) until the second beep.
	LED 1 then flashes slowly. The mixing and pressure tanks are empty when no more water comes out of the instrument or cup filler.
	The WEK can then either be switched off or switched back to normal operation by pressing the RESET button for 8 seconds.
Intensive decontamination	To increase the concentration of GREEN&CLEAN WK if necessary, intensive decontamination can be activated by pressing the RESET button for 4 seconds (LED 1 flashes) until the first beep.
	During this process, LED 1 lights up constantly and LED 3 flashes. For the next chemical dosing, 3 cycles of GREEN&CLEAN WK are added first, followed by 2 cycles for each of the next 4 doses. No more chemicals are added during the final dosing, so that the normal concentration of the working solution is restored once intensive decontamination is complete.
	After decontamination, LED 3 goes out and a short buzzer signal sounds - the WEK is back in normal operation.

6.4. Error messages

Assembly, modifications and repairs may only be carried out exclusively by authorised specialist personnel (see 3.2. Safety instructions)! For further information and assistance in carrying out repairs, retrofitting, fault analyses, etc., the METASYS technical customer service is also available!

Error message	Possible cause	Countermeasures	Consequence
LED 1 lights up green LED 3 lights up yellow Buzzer tone 	Disinfection of the service water is not carried out	Change the GREEN&CLEAN WK bottle (see 7.3)! If the bottle cannot be changed immediately, press the RESET button to deactivate the buzzer.	The device remains functional, the dentist's workflow is not interrupted, but no disinfection takes place. However, a short buzzer will continue to sound periodically. If the error message was only caused by an air bubble, the error message will disappear on its own at the next attempt.
LED 1 lights up green LED 2 flashes red Buzzer sound 	Level probe in the mixing container is dirty, or no water supply!	First check whether the main water tap or the water supply line is open. Clean or replace the mixing container probe (see 7.2.2).	All valves and the pump are switched off. The buzzer can be switched off with the RESET button. Once the cause has been rectified, the WEK can only be reactivated by switching it off and on again.
LED 1 lights up green LED 2 lights up red Buzzer sound 	Defective double membrane pump, or overflow!	Clean the overflow sensor. Check double membrane pump and circuit board (see 7.2.3).	All valves and the pump are switched off. The buzzer can be switched off with the RESET button. Once the cause has been rectified, the WEK can only be reactivated by switching it off and on again.

7. Care and maintenance

7.1. Regular cleaning measures

The following cleaning measures must be carried out regularly:

Measure	Interval	
Function test	weekly (recommended)	see 7.2.1
Cleaning / replacement of the level probe	if required	see 7.2.2
Checking the overflow probe	if required	see 7.2.3
1-year maintenance kit	once a year	see 7.2.4
3-year maintenance kit	every 3 years	see 7.2.5
Replacing the GREEN&CLEAN WK bottle	if required	see 7.3

7.2. Maintenance and service

Assembly, modifications and repairs may only be carried out exclusively by authorised specialist personnel (see 3.2. Safety instructions)! For further information and assistance in carrying out repairs, retrofitting, fault analyses, etc., the METASYS technical customer service is also available!

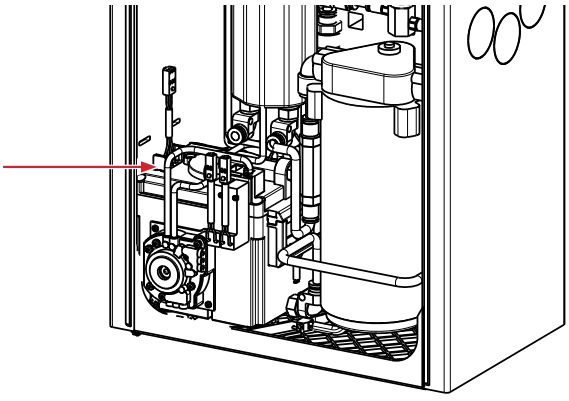
Please note that the transformer is still live when the device is switched off (main switch WEK set to OFF)! Before carrying out any installations or repairs, disconnect the device from the mains using the device/practice main switch!

7.2.1. Function test

1	The GREEN&CLEAN WK test strips can be used to check whether the correct amount of hydrogen peroxide is being mixed with the process water. It is recommended that this check is carried out weekly.	
2	For information on use and safety instructions, see the GREEN&CLEAN WK instructions for use.	

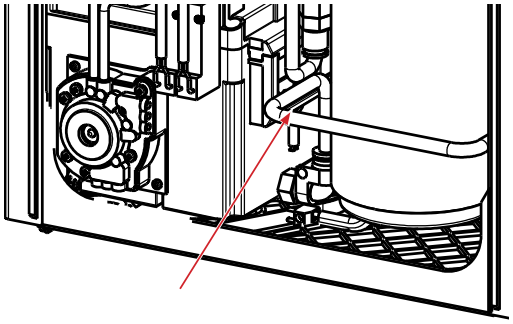
7.2.2. Cleaning / replacement of the level probe

1	Disconnect the device from the power supply
2	Remove the GREEN&CLEAN WK bottle
3	Remove the retaining plate by lifting it up (only for versions with a cover)
4	Carefully pull the probe upwards out of the mixing container
5	Clean the probe or replace it with a new one, check the circuit board
6	Then insert the probe back into the mixing container
7	Snap the retaining plate back into place (only for versions with a cover)
8	Place the GREEN&CLEAN WK bottle in the device
9	Reconnect the device to the power supply



7.2.3. Checking the overflow probe

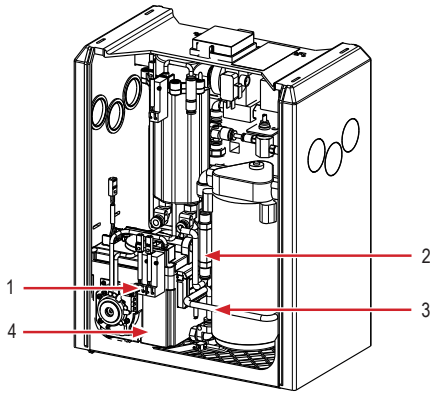
1	Disconnect the device from the power supply
2	Clean or dry the overflow probe, check the circuit board connections (see 5.4 Electronics)
3	Check the double membrane pump and circuit board
4	Reconnect the device to the power supply



7.2.4. 1-year maintenance kit

An annual service of the WEK water decontamination system (service kit order no. 120000042) is mandatory. This service includes a complete functional check of the device, as well as checking or replacing the following parts:

1	2 x magnetic valve (one of which must be replaced alternately)
2	Non-return valve for membrane pump
3	3 x PVC hoses 4x6 mm Pre-filter insert
4	Checking and cleaning the mixing container and the probes in it
	Bottle connector (not shown)



7.2.5. 3-year maintenance kit

The 3-year service kit (order no. 120000041) must be carried out every 3 years. This service includes a complete functional check of the device, as well as the inspection or replacement of the same parts as the 1-year kit, as well as the replacement of the mixing container lid.

7.3. Replacing the GREEN&CLEAN WK bottle

1	Remove the empty GREEN&CLEAN WK bottle from the device.
2	Pull the push-in cap (incl. hose) out of the bottle
3	Insert the tube into the new GREEN&CLEAN WK bottle and press on the push-in cap.
4	Place the bottle back in the device. Make sure that the hose is connected to the chemical connection!
	For information on use and safety instructions, see the GREEN&CLEAN WK instructions for use.

8. Decommissioning

8.1. Disassembly

Warning:

Remove from power source before disassembly!

Warning:

Risk of contamination: To avoid infection, wear personal protective equipment (hand, eye, nose and mouth protection) and disinfect and clean the device!

If it is necessary to return the device to the depot or to METASYS, the original METASYS packaging must be used. Before packing the METASYS device to be transported, clean and disinfect it. Possible openings where residual fluids could escape must be closed.

8.2. Recycling and disposal

The device may be contaminated! Advise the disposal company of this so that appropriate precautions can be taken. Parts that are contaminated with amalgam, such as sieves, filters, hoses, etc., must also be disposed of in accordance with the national regulations.

Uncontaminated plastic parts of the device can be recycled as normal plastics. The integrated electronic components (including circuit board) are to be disposed of as electronic waste. Metal parts are to be disposed of as scrap metal.

Alternatively, the device can be returned to the manufacturer for proper disposal. Before packing the METASYS device to be transported, clean and disinfect it. Possible openings where residual fluids could escape must be closed. The original METASYS packaging must be used for shipping.

The proof of installation and the device logbook must be kept for 5 years after the device has been disposed of.

9. Annex

9.1. Order numbers and scope of delivery

Order number (new)	**Order number** (previous)	**Designation**	**Scope of delivery**
108000011	05020001	WEK Water decontamination system, 230V, with cover	Device, standard version with cover, with instructions for use
108000012	05020002	WEK Water decontamination system, module	Device, standard version, with instructions for use
108000013	05020024	WEK Water decontamination system, ANCAR	Device, ANCAR version, with instructions for use
108000015	05020041	WEK Water decontamination system, Belmont EURAS OEM	Device, Belmont EURAS OEM version, with instructions for use
108000016	05020007	WEK Water decontamination system, Belmont	Device, Belmont version, with instructions for use
108000017	05020046	WEK Water decontamination system, Fimet	Device, Fimet version, with instructions for use
108000018	05020008	WEK Water decontamination system, Finndent	Device, Finndent version, with instructions for use
108000019	05020039	WEK Water decontamination system, HEKA	Device, HEKA version, with instructions for use
108000020	05020037	WEK Water decontamination system, MORITA, with cover	Device, MORITA version, with instructions for use
108000021	05020025	WEK Water decontamination system, MORITA EMCIA III	Device, MORITA EMCIA III version, with instructions for use
108000022	05020011	WEK Water decontamination system, Novadent	Device, Novadent version, with instructions for use
108000023	05020045	WEK Water decontamination system, OMS	Device, OMS version, with instructions for use
108000024	05020033	WEK Water decontamination system, Planmeca	Device, Planmeca version, with instructions for use
108000025	05020043	WEK Water decontamination system, Ritter Concept R400	Device, Ritter Concept R400 version, with instructions for use
108000026	05020017	WEK Water decontamination system, Ritter	Device, Ritter version, with instructions for use
108000027	05020022	WEK Water decontamination system, SWIDENT	Device, SWIDENT version, with instructions for use
108000028	05020015	WEK Water decontamination system, TGA Weber	Device, TGA Weber version, with instructions for use
108000004	05020027	WEK Water decontamination system, HEKA, module	Device, HEKA version, with instructions for use
108000005	05020029	WEK Water decontamination system, MORITA SOARIC	Device, MORITA SOARIC version, with instructions for use
108000036	05020048	WEK Water decontamination system, Diplomat	Device, Diplomat version, with instructions for use
108000037	05020049	WEK Water decontamination system, Diplomat PRO 600	Device, Diplomat PRO 600 version, with instructions for use
108000001	05020050	WEK Water decontamination system, HEKA S, S+, G+ (fc-2239)	Device, HEKA S, S+, G+ (fc-2239) version, with instructions for use

9.1.1. Accessories, service kits, collection containers and spare parts

Application aides

Order number (new)	Order number (previous)	Designation
121000013	40200018	AH GREEN&CLEAN, WK, dosing cup
121000014	40200020	AH GREEN&CLEAN, WK, dosing aid for bottle system, compatible with 750 ml bottle

Service kits

Order number (new)	Order number (previous)	Designation
120000041	50050134	ET WEK, 3-year maintenance kit, hygiene set
120000042	50050115	ET WEK, 1-year maintenance kit, hygiene set

Consumables

Order number (new)	Order number (previous)	Designation
121000015	40050503	AH GREEN&CLEAN, WK, test strips, 25 pcs.
121000016	40050502	AH GREEN&CLEAN, WK, test strips, 5 pcs.
122000056	60040101	GREEN&CLEAN WK 1000 ml, 6 bottles
122000057	60040100-1	GREEN&CLEAN WK 750 ml, 4 bottles

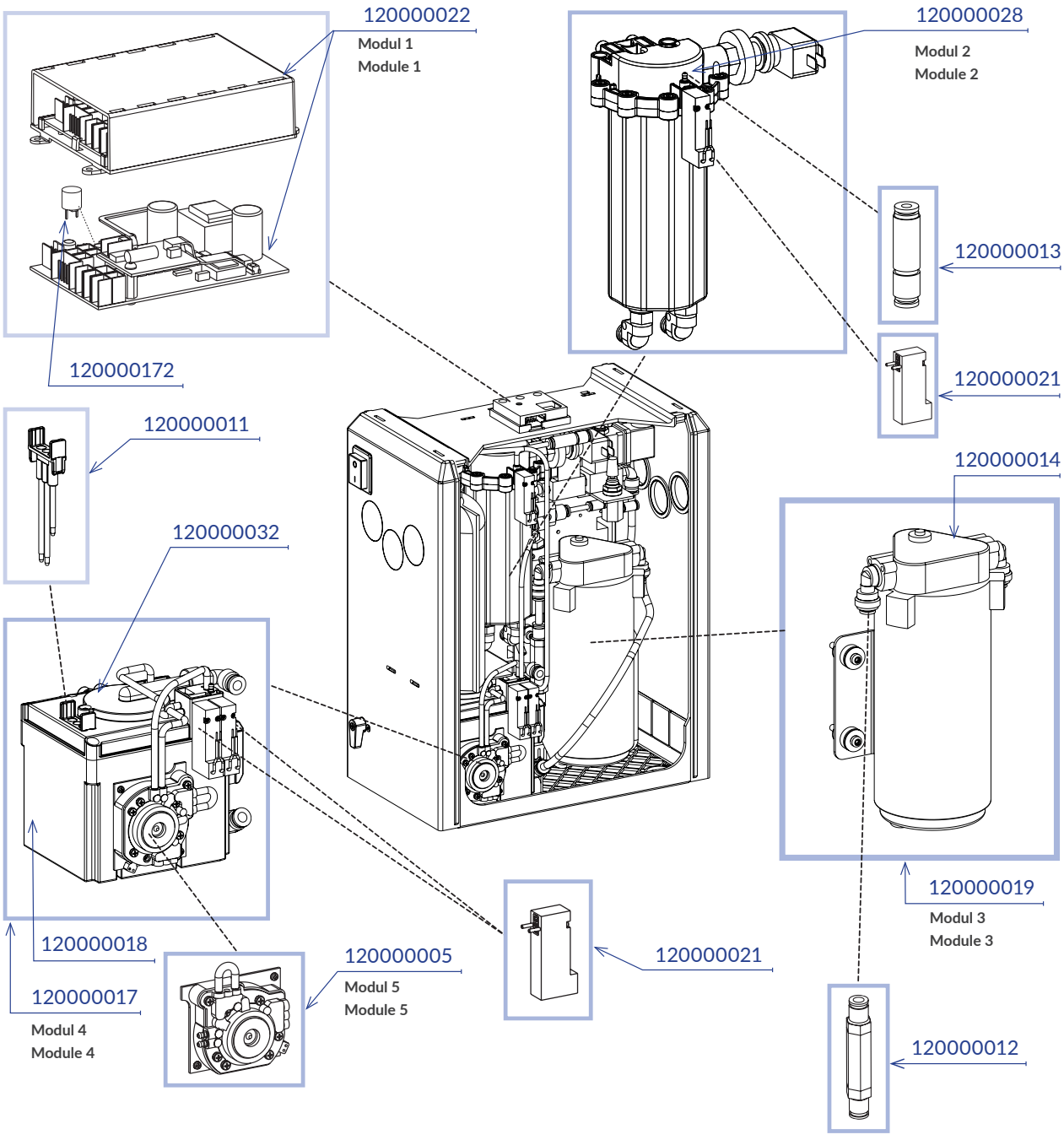
Spare parts

Order number (new)	Order number (previous)	Designation
120000002	50050106	ET WEK/Light, ball valve
120000003	50050124	ET WEK/Light, insert pre-filter 80 µm
120000004	50050113	ET WEK/Light, built-in device, external display
120000005	50050005	ET WEK/Light, double membrane pump
120000006	50050307	ET WEK/Light, chemical sensor
120000007	50050102	ET WEK/Light, side plate, external display
120000008	40080001	ET WEK, pre-filter inlet, 6 mm
120000009	50050110	ET WEK, branching 4/4/4 mm
120000010	50050116	ET WEK, valve block
120000011	50050103	ET WEK, mixing tank probe
120000012	50050109	ET WEK, non-return valve, water, 6 mm
120000013	50050108	ET WEK, non-return valve, air, 4 mm
120000014	50050112	ET WEK, pump head
120000015	50050007	ET WEK, Planmeca, membrane pump
120000016	50050128	ET WEK, Planmeca, 1-year maintenance kit, hygiene set
120000017	50050004	ET WEK, mixing container, double membrane pump
120000018	50050119	ET WEK, mixing container without lid
120000019	50050003	ET WEK, membrane pump
120000020	50120016	ET WEK, magnetic valve, dosing valve without cable
120000021	50120015	ET WEK, magnetic valve
120000022	50050001	ET WEK, main circuit board, base plate, cover
120000023	50050107	ET WEK, ball valve holder
120000024	50050131	ET WEK, rubber buffer, gray housing, 4 pcs.
120000025	50050305	ET WEK, flow meter

120000026	50050105	ET WEK, flow limiter
120000027	50050104	ET WEK, pressure regulator
120000028	50050002	ET WEK, pressure tank
120000029	50050114	ET WEK, DKL, storage tank
120000030	50050202	ET WEK, DKL, pressure tank short
120000031	50050117	ET WEK, DKL, connection adapter, storage tank
120000032	50050118	ET WEK, mixing container cover, without magnetic valve
120000033	50050130	ET WEK, Belmont/Galbiati/Ritter, 1-year maintenance kit
120000034	50050137	ET WEK, Belmont/Galbiati/Ritter, 3-year maintenance kit
120000035	50050111	ET WEK, spout
120000036	50050120	ET WEK, ATMOS, condensate separator
120000037	50050127	ET WEK, ATMOS, main circuit board
120000038	50050125	ET WEK, ATMOS, compressed air generator/compressor
120000039	50050122	ET WEK, ATMOS Aqua clean, 1-year maintenance kit
120000040	50050101	ET WEK, cover for device

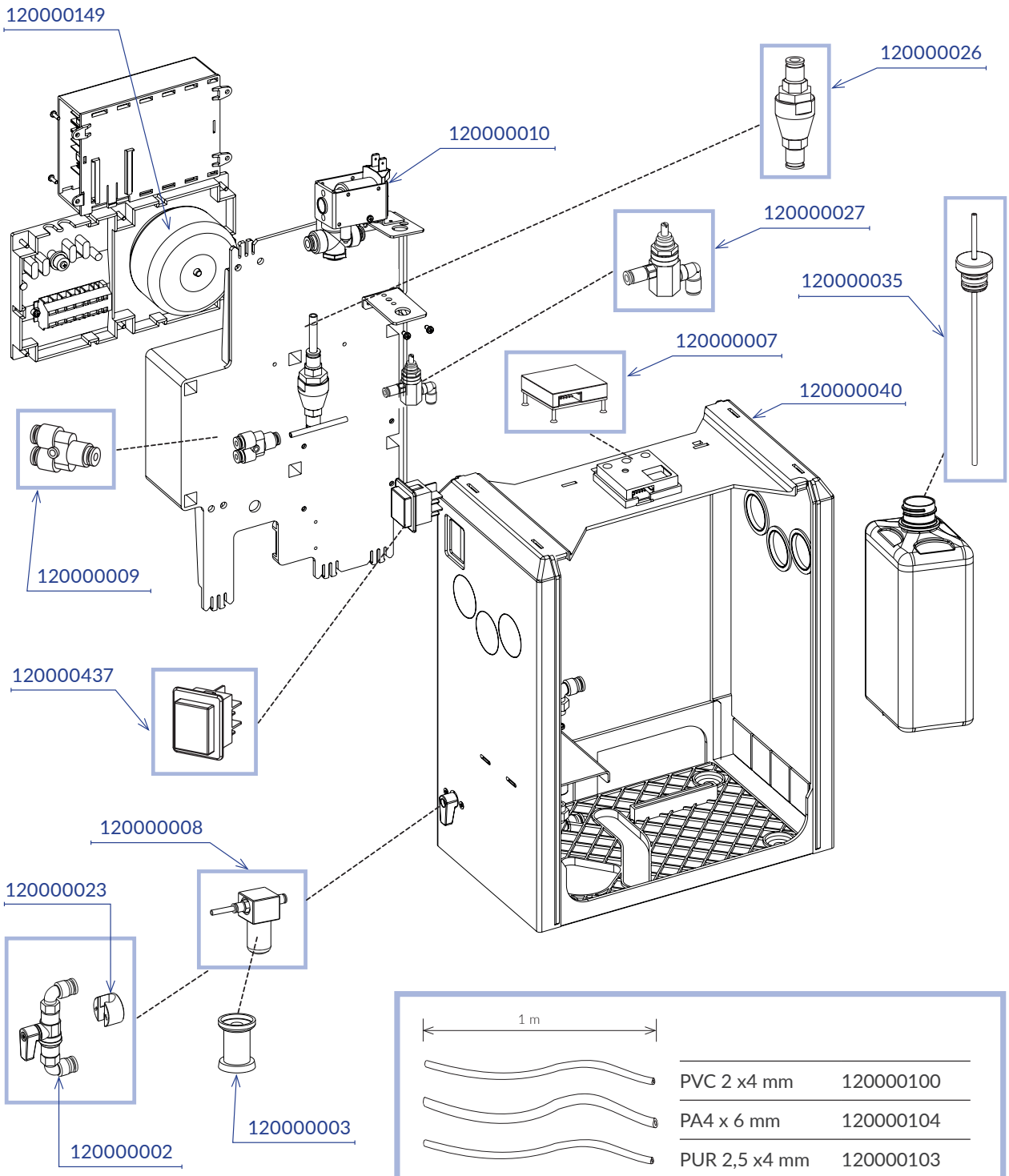
Wasserentkeimung WEK

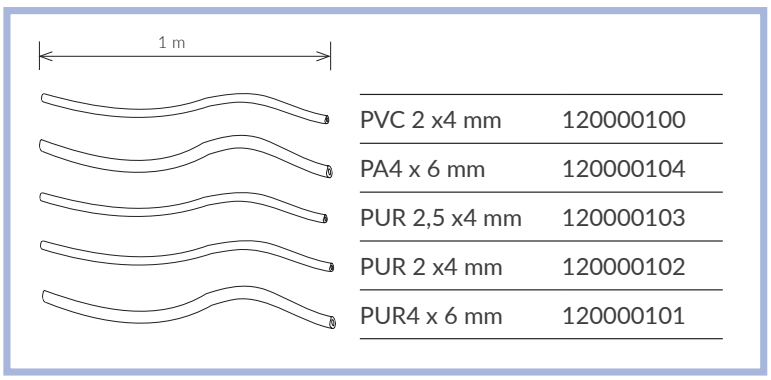
Water decontamination system WEK



Wasserentkeimung WEK

Water decontamination system WEK





PVC 2 x4 mm	120000100
PA4 x 6 mm	120000104
PUR 2,5 x4 mm	120000103
PUR 2 x4 mm	120000102
PUR4 x 6 mm	120000101

9.2. Warranty conditions

METASYS grants a guarantee of 12-36 months for specific products (duration of guarantee depends on the product according to the information in the current price list).

The guarantee covers all material faults that more than negligibly affect the function of the device. The guarantee does not cover damages caused by incorrect or improper handling as well as normal wear. Furthermore, the guarantee does not apply to the replacement of the amalgam collection container or to fragile parts such as glass, plastic, hoses, filters, condensate filters or membranes. Any incurred working and travel times are excluded from the warranty.

In order to determine the validity of the guarantee, the installation proof accompanying the device must be returned to METASYS immediately after proper assembly has taken place. In this case the warranty period begins with commissioning. In the event of installation without returning the installation proof to METASYS, any warranty claim is forfeited. Installation and return of installation proof must be completed within 24 months from the date of sale from METASYS.

Furthermore, any warranty claims of the customer expire if only one of the following circumstances arises, regardless of whether the circumstances arise for the customer of METASYS or a later owner or operator:

> Improper installation, operation, maintenance or transport of the device. If METASYS parts have to be returned, the original METASYS packaging must be used for shipping. Prior to packaging and shipping, the METASYS device must be cleaned and disinfected. Any openings where residual fluids could leak must be closed.
> Installation and return of installation proof have not been completed in the aforementioned 24 months.
> Failure to send the Installation Proof to METASYS.
> Installation and use of non-original METASYS parts.
> Installation of the device by personnel who are neither trained nor authorized by METASYS.
> Occurrence of damages through improper handling and operation or use of unapproved cleaning and/or disinfecting material, as well as non-compliance with the instructions for use.
> Execution of repairs by unauthorised repair shops or unathorised personel.
> Failure to comply with the prescribed maintenance intervals. Maintenance must be carried out 11-12 / 23-24 / 35-36 months after installation of the respective METASYS item.
> Missing entries in the Equipment Logbook regarding the installation as well as prescribed servicing by technicians trained by METASYS.
> Failure to take reasonable immediate measures to avoid further damages in the event of a malfunction.
> Shipping of devices or components to METASYS without proper accompanying paperwork, in particular without error description or invoice for the purchase of the device.
> Failure to provide visual images (photos, video clips ...) of the METASYS item complained about, as well as of its installation situation and ambient conditions.

METASYS reserves the right to demand the documentation supplied with the device to check the maintenance intervals for the assertion of warranty claims. The processing of warranty claims takes place exclusively according to the following method:

In the event of malfunctions, the device must be opened by an authorized technician, the relevant component taken out and sent to METASYS unopened and cleaned. The customer sends the device or component in question to METASYS at his own expense. METASYS checks whether there is a warranty claim. METASYS will repair the device or component if it is cost-effective. The customer is charged for the costs incurred for the repair, but not the replacement parts covered by the guarantee. The consignment of the device or component to METASYS always represents a repair order for METASYS. For cost estimates for the repair of returned devices, a processing fee* is charged if the warranty period has expired or no warranty case exists. For products inspections only without any cost estimates a processing fee* can be charged. When sending the device or component to METASYS, an error description with all importation information about the device must always be included. The customer of METASYS may only provide payment in advance after consultation with METASYS. Only the affected component is to be sent in (smallest possible unit). If contaminated, intact parts are sent to METASYS without technical necessity, METASYS is entitled to destroy them without separate payment. The new part corresponding to the part to be destroyed is only delivered after a separate order and invoice. In any case, METASYS has the right to handle the guarantee through credit note or the return of new parts without conducting repairs. Guarantee services do not result in an extension of the warranty period nor do they initiate a new warranty period. The warranty period for installed replacement parts ends with that for the originally delivered device. The METASYS customer is obligated to make his customer aware of the conditions regarding the warranty processing. The statutory warranty rights of the customer remain unaffected.

* The current warranty conditions and fees can be found in the current METASYS price list.

9.3. Change history

Revision	Date	Description
200004301	30.04.2024	Newly created.

Corrected various spelling and translation errors.

protect what you need

METASYS Medizintechnik GmbH
Florianistraße 3 | 6063 Rum bei Innsbruck | Austria
T +43 512 205420 | info@metasys.com | metasys.com

Subject to printing and setting errors!