

5.4 Operation



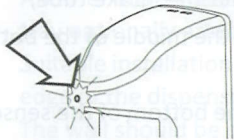
- Hold one hand (or both hands) within the sensor's range (the sensitive area has been factory set to the middle of the inspection window), and the dispenser will deliver
- Take your hand away and then hold it again in the sensor's range and the dispenser will deliver again
- After 2-3 dispenses (level 1), the pump will be fully loaded and the dispenser will be ready for use

i Setting higher doses (levels 2–4): see chapter 6.

i While you keep your hand within the sensor's range, the system will dispense only once; to make the dispenser deliver more than once, take your hand away and then move it back into the sensor's range. For higher volumes, it is recommendable to set a higher dose level

LED indicator:

- blue = dispenser is ready for operation
- red = indicates a fault e.g. need to change the batteries
- blue-and-red = electronic fault – do a "reset" (see chapter 12.). In case this does not solve the problem, please contact our local dealer or visit our webpage www.euraneg.com for technical support



6. Technical functional description

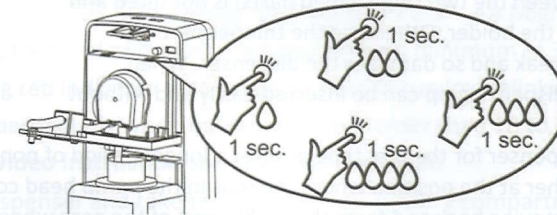
The automatic "touchless" dispensers deliver liquids using a disposable roller pump easy to remove and change. The longer end of the silicone (intake) tube goes into the bottle while the shorter end of the tube (outtake), with the dispensing tip, clicks the tip onto the frontend of the sensor base plate.

The quantity dispensed with each dose can be adjusted to four different levels.

This is done with the front cover open by simply pressing the round set button (c) above (500 ml dispenser) or to the right (1,000 ml dispenser) of the roller pump:

Procedure: For video instruction see www.euraneg.com

- The factory setting is level 1 = the dispenser delivers approx. 1.6 ml* of liquid
- Pressing the round set button (for approx. one second) activates level 2, indicated by the red LED blinking twice = the dispenser delivers approx. 3.2 ml* of liquid
- Pressing again activates level 3, indicated by the red LED blinking three times = the dispenser delivers approx. 4.8 ml* of liquid
- Pressing again activates level 4, indicated by the red LED blinking four times = the dispenser delivers approx. 6.4 ml* of liquid
- Pressing the set button once more brings the dispenser back to level 1, indicated by the red LED blinking once



The dispensers recognize a hand approaching the trigger area by the double sensor and control electronics (only when the front cover is fully closed) and automatically trigger a dose.

i The full, preset dosage (level 1 = 1.6 ml to level 4 = 6.4 ml) is given without interruption – it is therefore recommended to use both hands to catch the dose for levels 2 and higher

* The dosage can be lower than this when using media of higher viscosity

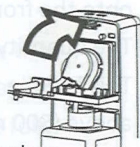
7. Exchange of the pump

To meet the highest standards for hygiene and safety, the dispensers use a disposable pump, that must be changed at regular intervals of 3 to 4 months.

⚠ Do not clean, do not recondition

Procedure: For video instruction see www.euraneg.com

- Open the dispenser with the key
- Turn the pump clockwise (approx. 20°), until the lock releases
- Remove the pump, take the dispensing tip out of the holder at the sensor plate
- Mark the new pump with the installation date, insert it and turn it anticlockwise until it clicks into place
- Place the bottleneck over the guide (on the bottom of the sensor base plate)
- Insert the end of the intake tube into the bottle make sure the tube hangs freely in the middle of the bottle and is not kinked
- Attach the dispensing tip into the holder at the sensor plate
- Remove the key and close the dispenser
- Operate the dispenser (hold hands under the sensor, trigger several times), until the liquid comes out of the pump tip
- The dispenser is ready for use



⚠ When (re)inserting the dispensing tip please make sure that the quadratic part (between the two ring-shaped parts) is not tilted and pushed forcibly into the holder. Otherwise the thinner part of the holder may break and so damages the dispenser. When observing this, the dispensing tip can be inserted easily and without any effort



⚠ Before using the dispenser for the first time or after a longer period of non-use, the tube can stick together at the position where the rolls in the pump head compress it; this can be repaired by moving back and forth the visible part of the gear wheel on the back of the pump head

⚠ **Use only original roller pumps (patent pending), since only they can guarantee faultless operation – do not clean or recondition pumps!**

The tubes for the 500 ml and 1,000 ml dispensers are of different length: The intake tube of the 500 ml pump will not reach to the bottom of a 1,000 ml bottle, for example; in the opposite case, the intake tube will be too long, but this has no detrimental effect.

i A new pump can be inserted immediately; there is no waiting period to observe.

Please mark the pump with the installation date

i The pump can be changed in less than 30 seconds

8. Changing the bottle

Procedure: For video instruction see www.euraneg.com

- Open the dispenser with the key
- If necessary, unlock the bottle fastener to make removal of the empty bottle easier
- Carefully pull the bottle forwards and remove it
- Insert the new bottle, re-adjusting the bottle fastener for safe positioning
- Insert the intake tube of the pump into the bottle from the top
- Remove the key and close the dispenser again
- Trigger 2 to 3 pump cycles to refill the tubes of the pump

- i** Unintentional pumping cannot be triggered when the dispenser is open (the ON/OFF switch is deactivated)
- i** To ensure uninterrupted supply through the system, exchange the bottle in time – the filling level can be easily checked through the inspection window in the front cover
- i** The Robert Koch Institute expressly recommends the use of single-use bottles or hygienic containers for washing and care products. The pharmaceutical law also applies to hand disinfectants: refilling empty bottles may only be carried out by a pharmacy under aseptic conditions.

9. Changing the batteries

The dispensers need very little energy. One set of 4 x 1.5 V AA Mignon LR6 branded batteries will last around two years – we guarantee a minimum of 30,000 cycles.

The LED blinking red indicates that batteries start to run low (blinking red might have another cause particularly when batteries are not older than 18 to 24 months)

Procedure: For video instruction see www.euraneg.com

- Open the dispenser and take the cover off the battery compartment
- Remove dead batteries and dispose of them at a special collection point
- Insert new batteries, taking care of the correct polarity (indicated on the battery compartment cover)
- Close the battery compartment cover and the front cover

i Never mix new batteries with used ones, only use batteries of the same kind Use always new 1.5 V AA Mignon LR6 branded batteries, do not recharge or reactivate them

i If the dispenser will not be used for an extended period, the batteries should be removed to prevent them from discharging or running out.

i **Do not use rechargeable batteries - even when completely charged they do not provide the voltage needed for smooth operation**

10. Sensor calibration

Procedure: You can find the video at www.euraneg.com

- Use the key to open the dispenser housing, open the cover, and remove the bottle.
- Open the battery compartment and remove 1 of the 4 batteries or when installing for the first time insert 3 batteries.
- Press with two fingers of one hand (e.g. with the thumb and forefinger) the ON / OFF switch (square shape; schematic illustration point b) and the setting button for dispensing quantity (round shape; c) at the same time.
- Install the 4th battery with the other hand while holding both buttons pressed further.
- The LED lights up blue once and then blue three times in quick succession - now release both buttons.
- Place your hand or object (e.g. white cardboard) in the sensor beam at the position to which you want to reset the trigger distance (e.g. in the middle of the inspection window; about approx. 6 to 10 cm below the sensor) as soon as the sensor has registered your hand, the LED flashes in two colors, slows down and lastly flashes 1x blue - the setting process is complete.
- Take your hand / object out of the sensor beam, insert the bottle, close battery compartment and dispenser. The dispenser is ready for use again.
- Please check whether the desired release distance is set.

11. Care and maintenance







The dispensers are essentially maintenance-free.

With every bottle change, at least every 3 months you should

1. clean the dispenser with a damp cloth dipped in warm soapy water
2. disinfect of the dispenser housing - the dispenser must not be autoclaved
3. exchange of the roller pump (see 7. Pump replacement).

Batteries should be changed after two years

Please note:

-  Do not immerse the dispenser in water
-  Do not use corrosive (chlorine-based) or abrasive cleaners
-  The dispenser cannot dispense unintentionally when the front cover is open
-  Should the pump tube be clogged after a long time in service, inserting a new pump. It is an easier and more cost-effective solution than cleaning
-  Never dismantle the dispenser or remove parts
-  **The warranty becomes void if the QC seal is damaged!**

The advantages of dispensers are only guaranteed if the dispenser is cleaned and disinfected regularly. Inadequate dispenser hygiene can lead to the germination of the

dispenser system. The most common germs include spore formers, corynebacteria, various cocci and pseudomonas. Disinfection or soap residues in the hose or on the nozzle can also cause problems.

12. Description and elimination of faults

The automatic “touchless” dispensers are subject to legal requirements (Machinery Directive, Electrical Equipment Act, Battery Act) and differ from conventional, manual dispensers in essential parts. You should therefore never try to repair them yourself. Please contact your dealer or visit our website www.euraneg.com.

Keep in mind that the warranty will become void if you damage the QC seal.

Nevertheless, various faults that can occur you can eliminate yourself.

The following descriptions could also be helpful to describe the problem to an expert for troubleshooting:

Fault displayed	Possible cause	Remedy
LED blinks red and blue alternately	1. Square and round button Had been pressed unintentionally when inserting batteries 2. Defect electronics	1. Reset electronics by removing one battery, then press the square button (ON/OFF) and keep pressed until the removed battery is inserted again 2. Contact dealer to discuss further steps to be taken
LED blinks red (after inserting new batteries)	Batteries not correctly inserted/skewed	Check batteries for proper position, check polarity. See chapter 9

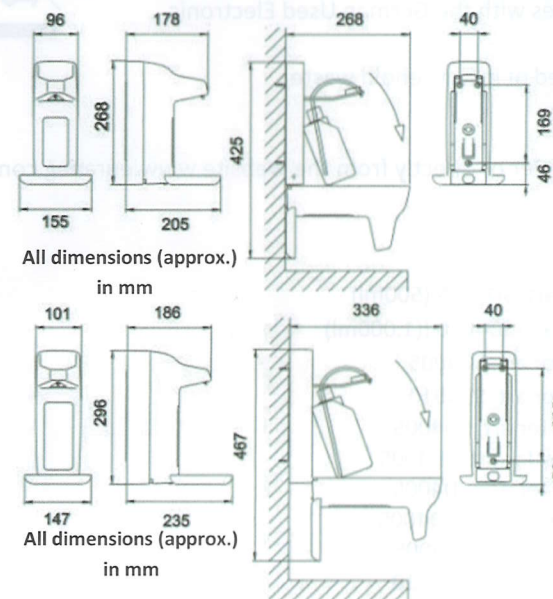
Fault displayed	Possible cause	Remedy
Dispenser does not deliver	<ol style="list-style-type: none"> 1. Bottle is empty 2. Pump tubes kinked (e.g. underneath the pump head) 3. Pump intake tube stuck to side of bottle (when bottle is nearly empty) 4. Wrong (high viscosity) liquid 	<ol style="list-style-type: none"> 1. Insert new full bottle 2. Check tubes and eliminate kink, if necessary 3. Check tube and position intake tube in middle of bottle, change bottle, if necessary 4. Check liquid for suitability before use
Dispenser delivers too little	<ol style="list-style-type: none"> 1. High viscosity liquid used 2. Dispenser is set to small dose e.g. level 1 = approx. 1.6 ml 	<ol style="list-style-type: none"> 1. Change liquid 2. Set to a higher dose level s. chapter 6
Pump runs stiffly	<ol style="list-style-type: none"> 1. Pump is broken, to old 2. High viscosity liquid is in use 	<ol style="list-style-type: none"> 1. Change pump (preferably every 3 to 4 months) 2. Check medium for suitability before use
Sensor does not work even if a hand is held under it	<ol style="list-style-type: none"> 1. Trigger distance is too big 2. Trigger distance has become maladjusted 3. Sensor electronics defect 	<ol style="list-style-type: none"> 1. Bring hand closer to dispensing tip 2. Re-adjust distance see chapter 10 3. Contact dealer to discuss further steps to be taken
Bottle "wobbles" in the dispenser or falls off when opening the dispenser	Bottle fasteners not fixed;	<p>Push bottle fastener upwards (towards the base of the bottle) until the bottle sits firmly,</p> <p>For 1,000 ml dispenser only: center the additional variable fastener precisely over the neck of the bottle</p>
Dispenser cannot be closed properly	<ol style="list-style-type: none"> 1. Key is still inserted in lock 2. Tube is clamped 	<ol style="list-style-type: none"> 1. Lift/remove key, close front cover properly 2. Remove tube, close front cover properly

13. Technical and safety-related data

13.1 Technical data

Housing including wall-mounting plate	ABS plastic, impact-resistant, color: white/grey
Pump	ABS plastic / silicone (tube)
Voltage	6 V
Batteries	4 x 1.5 V AA Mignon LR6
Degree of protection	IP 22
Weight	SD4005: approx. 850 g
(without batteries and bottle)	SD4010: approx. 930 g

Dimensions:



500 ml dispenser
SD4005

1,000 ml dispenser
SD4010

13.2 Safety-related data

- No interference due to electromagnetic fields (EMC certified)
- No special protective measures required for storage
- Avoid contact with spontaneously flammable substances or strong oxidizers
- Transport regulations: No dangerous goods
- Softening temperature: >85°C • Ignition temperature: 425°C • Flashpoint: >245°C

13.3 Compliance



Machinery Directive 2006/42/EC | EMC Directive 2004/108/EC

14. Miscellaneous

14.1 Disposal

- After unpacking the dispenser, please dispose of the recyclable cardboard and plastic packaging in compliance with the local recycling regulations. We have already paid the corresponding fees LUCID No.: DE3065089184247-V
- Take used batteries to the appropriate special collection point – disposal charges are already paid upon purchasing the batteries from us
- When the dispenser is taken out of service, please dispose it according to the special redemption and recycling requirements for waste electrical and electronic equipment, valid throughout the European Union – we have already paid the corresponding fees with the German Used Electronic Appliances Register EAR
- Electronic parts cannot be disposed of in household waste



14.2 Spare parts and accessories

Spare parts are available from your dealer or directly from the website www.euraneg.com

Art. no. Product

SD4005-10	Jet pump for art. SD4005 (500ml)
SD4010-10	Jet pump for art. SD4010 ((1,000ml)
SD4005-15	Spray pump for art. SD4005
SD4010-15	Spray pump for art. SD4010
SD4005-20-d	grey drip tray for art. SD4005
SD4005-20-w	white drip tray for art. SD4005
SD4005-20-b	blue drip tray for art. SD4005
SD4005-20-g	green drip tray for art. SD4005
SD4005-20-p	pink drip tray for art. SD4005
SD4010-20-d	grey drip tray for art. SD4010
SD4010-20-w	white drip tray for art. SD4010
SD4010-20-b	blue drip tray for art. SD4010
SD4010-20-g	green drip tray for art. SD4010
SD4010-20-p	pink drip tray for art. SD4010
SD4005-30	Front cover for art. SD4005
SD4010-30	Front cover for art. SD4010
SD4005-35	Window for art. SD4005
SD4010-35	Window for art. SD4010
SD4005-40	Bottle 500ml for art. SD4005
SD4010-40	Bottle 1,000ml for art. SD4010
SD4005-45	Bottle fastener for art. SD4005
SD4010-45	Bottle fastener for art. SD4010

SD4005-50	Key for art. SD4005/SD4010
SD4005-55	Lock for art. SD4005/SD4010
SD4005-70	Wall-mounting plate for art. SD4005
SD4010-70	Wall-mounting plate for art. SD4010
SD4005-75	Dowel and screw set for art. SD4005/SD4010
SD4005-78	Sticker Tesa Nie wieder bohren für Art. SD4005/SD4010
SD4005-80	Branded batteries, size 1.5 V AA LR6 (set of 4), for art. SD4005/SD4010
SD4005-85	Battery compartment cover for art. SD4005/SD4010
SD4005-100	Upgrade for Hygiene-Monitoring
SDTA100	Table stand (made from acrylic glass) for art. SD4005/SD4010
SDBS100	Floor stand (made from acrylic glass) for art. SD4005/SD4010