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Herstellerorganisation gemäß der Maschinen-Richtlinie 2006/42/EG

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This instruction manual is in full compliance with the German/English
original instruction manual of the manufacturer/representative in terms
of the Machinery Directive 2006/42/EG

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ECOLAB

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Automated „touchless“ disinfectant and soap dispensers
with disposable roller pump


Automatischer „touchless“ Dosierspender für
Desinfektionsmittel und Seifen mit Einweg-Rollerpumpe

Art. 10012743 for 500mL bottles • Art. 10012741 for 1L bottles

Art. 10012743 für 500mL-Flaschen • Art. 10012741 für 1L-Flaschen

**ECOLAB®****Seife****Desinfektion**



| | |
|------------|---|
| SD4005-50 | Schlüssel für Art. SD4005/SD4010 |
| SD4005-55 | Ersatzschloss für Art. SD4005/SD4010 |
| SD4005-70 | Wandhalterplatte für Art. SD4005 |
| SD4010-70 | Wandhalterplatte für Art. SD4010 |
| SD4005-75 | Montageset für Art. SD4005/SD4010 |
| SD4005-78 | Montageset Tesa Nie wieder bohren für Art. SD4005/SD4010 |
| SD4005-80 | Markenbatterien, Größe AA (Set à 4 Stück), für Art. SD4005/SD4010 |
| SD4005-85 | Batteriefachdeckel für Art. SD4005/SD4010 |
| SD4005-100 | Spende Upgrade für Hygiene-Monitoring |
| SDTA100 | Acrylglas-Tekenaufteller für Art. SD4005/SD4010 |
| SDBS100 | Acrylglas-Desinfektionssäule für Art. SD4005/SD4010 |

 Die ebenfalls als Ersatzteil lieferbare Spraypumpe ist nur für dünnflüssige Desinfektionsmittel ohne Additive (Mikro-/Nanopartikel) geeignet

1. General notices

Please read through this instruction manual carefully before the first use of the dispenser and observe the notes on device safety and its intended use. Keep this instruction manual for future reference and for quickly finding and eliminating any faults using the indications in the troubleshooting table (see chapter 12). We recommend browsing through this manual again from time to time so as not to forget to perform routine maintenance and to continually refresh your knowledge.

Symbols used:

-  Additional information on how to use the dispensers
-  Safety notices, where failure to observe these notices could result in damage to the device

2. Safety notices

General:

We are not liable for any of the following damages:

- Mechanical damage, particularly if the QC seal is broken
- Damages caused by improper handling
- Power overload, e.g. caused by the use of wrong batteries
- Damage caused by use of the dispenser for any purposes other than approved by us
- Use by individuals with limited physical, sensory or mental abilities or lacking knowledge and experience

Device safety:

- Protect the dispenser against moisture
- Avoid heat sources (open flames, direct sunlight)
- Do not immerse the dispenser in water or expose to water jets (e.g. pressure cleaners)
- Only fill with the liquid that is suitable for the intended purpose; if in doubt, check the liquid for suitability before use
- Do not wash the dispenser in the dishwasher, do not autoclave
- Attach the dripping pan so that excess liquid is reliably caught and does not drip onto the floor
- **Change the disposable pump regularly every 3 months; do not clean, do not recondition**
- **Spare parts and accessories: see chapter 14.2**

3. Definition of “intended use” and “handling”

3.1 Intended use

The dispensers are suitable for the touchless disinfection of hands as well as for dispensing liquid soaps and lotions. Especially with gel pay attention to viscosity! The dispensers are designed exclusively for operation with 4 x 1.5 V AA Mignon LR6 batteries.

The dispensers can be used either as a desk unit or wall-mounted; ensure adequate stability for the desk unit.

⚠ **Regular changing of the disposable pumps every 3 months is part of the intended use! do not clean, do not recondition**

⚠ **Environmental conditions:**

- Do not use the dispensers in potentially explosive atmospheres
- Use the dispensers indoor only and in dust-free environments
- Use the dispensers only at a relative air humidity of less than 90% and at room temperature

⚠ **Liquids used:**

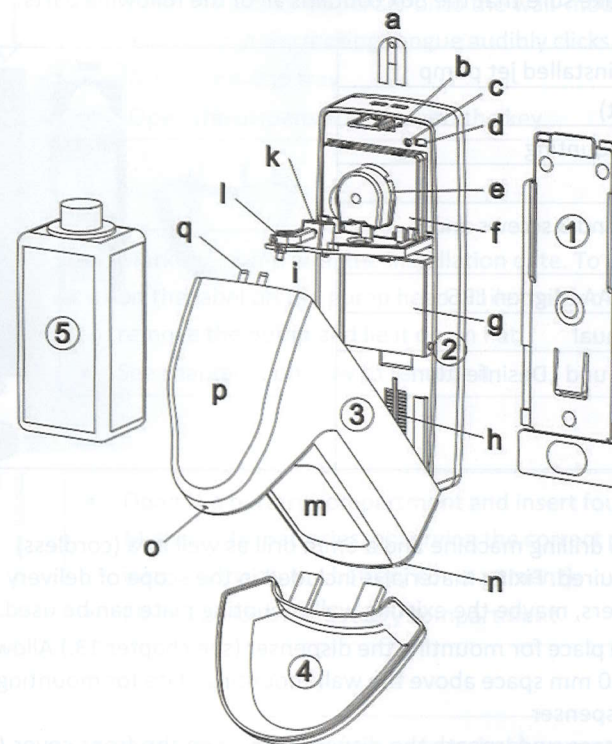
- The liquids used should flow well at room temperature
- Check liquids of higher viscosity for suitability (gels or lotions)
- Do not use abrasive or aggressive liquids
- Liquids other than low viscosity (alcohol-based or non-alcohol-based) disinfectants, disinfectant gels, liquid soaps and liquid lotions cannot be used

3.2 Handling the dispenser

⚠ Please observe the following notes to ensure the best function of the device:

- Use only original parts or spare parts
- Use only suitable low viscosity liquids see above
- Observe the correct polarity of the batteries – see the specifications on/in the battery compartment cover
- Make sure the intake tube of the pump hangs freely in the bottle (not towards the bottle wall) and the outtake tube is not kinked anywhere
- Do not pull on the pump tube, this could block the pump
- Use only suitable jet/foam pumps - **spray pumps** should be used **only for thin liquid** disinfectants without additives (micro/nanoparticles)

4. Schematic sketch / components



1. Wall-mounting plate

with included set of dowel and screw or optional
tesa Nie wieder Bohren

2. Housing with all essential functional parts

- a. Key/Lock
- b. ON/OFF switch (+ special function)
- c. Setting control for dispensing volume (+ special function)
- e. Disposable pump (jet, foam, spray)
- f. Electronics (not visible)
- g. Battery compartment
- h. Bottle arrestor
- i. Sensor base plate*
- k. Double sensor with LED
- l. Nozzle

3. Front cover

- m. Inspection window
- n. Slot for attaching the dripping tray
- o. LED indicator
- p. Curved surface for the sticker with Seife and Disinfection
- q. Lock

4. Drip tray

5. Bottle (500 ml or 1,000 ml EURO or round bottle)

* For the 1,000 ml dispenser only:
The adjustable centering device with guide for differently placed bottlenecks of various disinfectant manufacturers (in the sensor baseplate)

5. Installation, first use and operation

5.1 Preparation

When unpacking, make sure that the box contains all of the following parts:

| | |
|--|--|
| 1 dispenser with installed jet pump | |
| 1 spare pump (jet) | |
| 1 plate for wall mounting | |
| 1 drip tray | |
| 1 bag with 1 key and 3 screws and 3 dowels | |
| 4 batteries 1.5 V AA Mignon LR6 | |
| 1 instruction manual | |
| 2 stickers „Seife“ und „Desinfektion“ | |

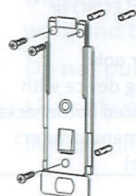
5.2 Installation

For wall mounting a drilling machine and a 6mm drill as well as a (cordless) screwdriver are required. Fixing material is included in the scope of delivery. When exchanging dispensers, maybe the existing wall-mounting plate can be used.

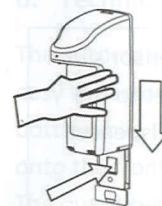
- Chose a suitable place for mounting the dispenser (see chapter 13.) Allow approximately 50 mm space above the wall-mounting plate for mounting or removing the dispenser
- Allow enough space underneath the dispenser to open the front cover (with drip tray optionally attached) fully for easy bottle exchange
- Suitable installation height: about 130 cm, measured from the floor to the top edge of the dispenser
- The wall should be clean, dry and plane; make sure no power lines or installations are damaged when drilling

i Use the supplied fixing material to attach the wall-mounting plate; never use adhesive strips but you can use the tesa Nie wieder bohren solution

i If the dispenser is to be used as a desk unit, adequate stability must be ensured – fix it onto the surface underneath, if necessary



- Fix the wall-mounting plate in the correct position
- Use the supplied screws and dowels to do so
- or use the tesa Nie wieder bohren solution to stick it on the wall

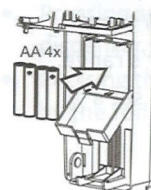


- Push the closed dispenser onto the wall-mounting plate from above, until the locking tongue audibly clicks into place
- Attach the drip tray
- Open the dispenser again with the key

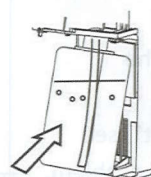
5.3 First use



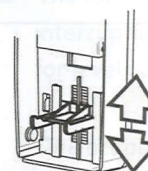
- Mark the pump with the installation date. To do so, either write on the label on the pump head while the pump is installed or remove the pump and lie it down flat
- See chapter 7. on how to remove it



- Open the battery compartment and insert four new 1.5 V AA Mignon LR6 batteries, observing the correct polarity (see instructions on the battery compartment)
- Close and lock the battery compartment



- Insert the bottle, guiding it from below over the intake tube; make sure the intake tube hangs freely in the middle of the bottle and is not kinked
- Place the bottleneck over the guide (on the bottom of the sensor base plate)
- Only for 1,000 ml dispensers: Centering device with a guide is movable



- Lift the bottle fastener and fasten it so that the bottle is firmly held and cannot tip over
- Remove the key and close the dispenser

5.4 Operation



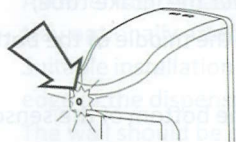
- Hold one hand (or both hands) within the sensor's range (the sensitive area has been factory set to the middle of the inspection window), and the dispenser will deliver
- Take your hand away and then hold it again in the sensor's range and the dispenser will deliver again
- After 2-3 dispenses (level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

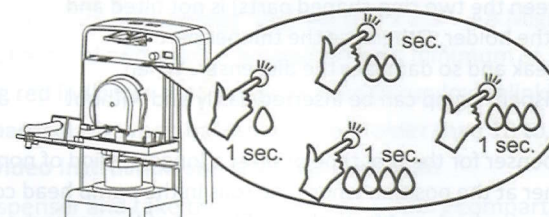
The automatic “touchless” dispensers deliver liquids using a disposable roller pump easy to remove and change. The longer end of the silicone (intake) tube goes into the bottle while the shorter end of the tube (outtake), with the dispensing tip, clicks the tip onto the frontend of the sensor base plate.

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

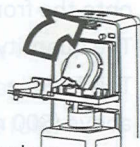
7. Exchange of the pump

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 |

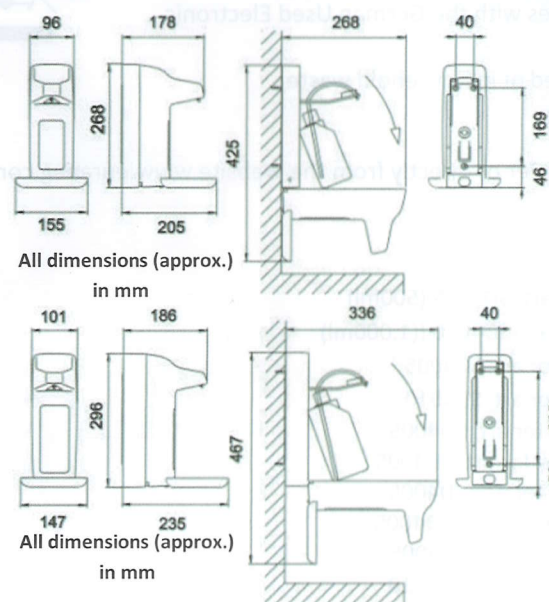
| Fault displayed | Possible cause | Remedy |
|---|---|---|
| Dispenser does not deliver | <ol style="list-style-type: none"> 1. Bottle is empty 2. Pump tubes kinked (e.g. underneath the pump head) 3. Pump intake tube stuck to side of bottle (when bottle is nearly empty) 4. Wrong (high viscosity) liquid | <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 |