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<b>Ангарск</b> (3955)60-70-56	<b>Ижевск</b> (3412)26-03-58	<b>Москва</b> (495)268-04-70	<b>Ростов-на-Дону</b> (863)308-18-15	<b>Тольятти</b> (8482)63-91-07
<b>Архангельск</b> (8182)63-90-72	<b>Иркутск</b> (395)279-98-46	<b>Мурманск</b> (8152)59-64-93	<b>Рязань</b> (4912)46-61-64	<b>Томск</b> (3822)98-41-53
<b>Астрахань</b> (8512)99-46-04	<b>Казань</b> (843)206-01-48	<b>Набережные Челны</b> (8552)20-53-41	<b>Самара</b> (846)206-03-16	<b>Тула</b> (4872)33-79-87
<b>Барнаул</b> (3852)73-04-60	<b>Калининград</b> (4012)72-03-81	<b>Нижний Новгород</b> (831)429-08-12	<b>Саранск</b> (8342)22-96-24	<b>Тюмень</b> (3452)66-21-18
<b>Белгород</b> (4722)40-23-64	<b>Калуга</b> (4842)92-23-67	<b>Новокузнецк</b> (3843)20-46-81	<b>Санкт-Петербург</b> (812)309-46-40	<b>Ульяновск</b> (8422)24-23-59
<b>Благовещенск</b> (4162)22-76-07	<b>Кемерово</b> (3842)65-04-62	<b>Ноябрьск</b> (3496)41-32-12	<b>Саратов</b> (845)249-38-78	<b>Улан-Удэ</b> (3012)59-97-51
<b>Брянск</b> (4832)59-03-52	<b>Киров</b> (8332)68-02-04	<b>Новосибирск</b> (383)227-86-73	<b>Севастополь</b> (8692)22-31-93	<b>Уфа</b> (347)229-48-12
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<b>Вологда</b> (8172)26-41-59	<b>Курск</b> (4712)77-13-04	<b>Петрозаводск</b> (8142)55-98-37	<b>Сургут</b> (3462)77-98-35	<b>Чита</b> (3022)38-34-83
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<b>Екатеринбург</b> (343)384-55-89	<b>Липецк</b> (4742)52-20-81		<b>Тамбов</b> (4752)50-40-97	<b>Ярославль</b> (4852)69-52-93

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# Технические характеристики на средства профилактики и контроля инфекций компании **B. BRAUN**

**Виды товаров:** растворы деколонизации тела, пена, гели назальные, салфетки, подушечки для санации, спреи, средства для обработки поверхностей, дозаторы, салфетки, дезинфицирующие концентраты, очистители, диспенсеры, аксессуары и др.

# Prontoderm® Wipes

## Body decolonization including MDRO (e.g. MRSA, ESBL, VRE)



Prontoderm® Wipes

- Ready-to-use wipes for antimicrobial cleansing of the whole body, MDRO (in particular MRSA) decolonisation
- Based on surfactant and polihexanide (polyaminopropyl biguanide): high skin and mucous membrane tolerability
- Tested in vitro and under clinical conditions
- «Leave on» product
- 10 wipes pack (200 mm x 300 mm)

# Advantages

- Easy to use
- No rinsing of the skin required after treatment
- Sustained antimicrobial barrier effect
- Can be used on sensitive or irritated skin

# ProntOral®

## Decolonization including MDRO (e.g. MRSA, ESBL, VRE)



ProntOral®

- Ready-to-use mouth wash for cleansing and MDRO (in particular MRSA) decolonisation of the mouth
- Colourless, without chlorhexidine
- Eliminates odour and gives fresh breath
- Tested in vitro and under clinical conditions
- 250 ml bottle

# Advantages

- For gargling
- No colouration of oral mucous membranes
- Applicable for patients with impaired mucous membranes (e.g. after oncological radiation or chemotherapy)
- Application time: at least 30 seconds and/ or 60 seconds for MRSA

# Prontoderm® Foam

## Body decolonization including MDRO (e.g. MRSA, ESBL, VRE)



Prontoderm® Foam Foam Dispenser 200 ml

- Ready to use foam for physical cleansing of the whole body incl. the hair
- Based on surfactant and polyhexanide (polyaminopropyl biguanide) high skin tolerability
- Tested in vitro and under clinical conditions
- «Leave on» product
- 200 ml foam bottle

# Advantages

- For the treatment of sensitive skin
- No rinsing of the skin required after treatment
- Sustained antimicrobial barrier effect

# Prontoderm® Nasal Gel

## Nasal decolonization including MDRO (e.g. MRSA, ESBL, VRE)



Prontoderm® Nasal Gel

- Nasal gel for MDRO (in particular MRSA) decolonization and physical cleansing
- Based on polihexanide (polyaminopropyl biguanide): high skin and mucous membrane tolerance
- Tested in vitro and under clinical conditions
- «Leave on» product
- 30 ml tube



# Advantages

- Specific product for the nose
- Well-known ingredients with low allergenic potential used in cosmetic products
- Water based gel for painless application

# Prontoderm® Solution

**Body (nasal) decolonization including MDRO (e.g. MRSA, ESBL, VRE)**



Prontoderm® Solution Group 500ml, 5L



Prontoderm® Solution Bottle 500ml

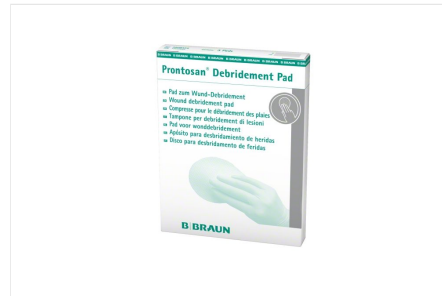


- Ready-to-use colourless solution for cleansing of the whole body, MDRO (in particular MRSA) decolonisation
- Based on surfactants and polihexanide (polyaminopropyl biguanide): high skin and mucous membrane tolerability
- Tested in vitro and under clinical conditions
- Leave on product – to be used with a clean wash cloth
- 500 ml bottle, 5 litre canister

## Advantages

- Easy to use
- No rinsing off the skin required after treatment
- Sustained antimicrobial barrier effect
- Can be used on sensitive or irritated skin

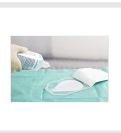
# Prontosan® Debridement Pad



Prontosan Debridement Pad Group



3908456 PRONTOSAN DEBRIDEMENT PA...



The Prontosan® Debridement Pad is intended to support the soft mechanical debridement of chronic wounds in combination with Prontosan® Wound Irrigation Solution.

## Advantages

- Good cleansing and debridement due to microfiber technology
- To obtain a clean wound bed and a clean skin surrounding
- Soft debridement, no tissue irritation
- Frees the wound from coatings and dead cell residues
- Unique droplet shape to allow debridement of cavities and areas difficult to reach
- Blister packaging to allow safe and aseptic soaking of the pad prior to use

# Prontosan® Wound Irrigation Solution Adapter

## Negative Pressure Wound Therapy



Prontosan® Adapter

Adapter for easy connecting the Prontosan® Wound Irrigation Solution bottle with the KCI V.A.C.Ult® Negative Pressure Wound Therapy System.

Content per sales unit:

10 Prontosan® Wound Irrigation Solution 1000 ml bottles

10 Prontosan® Adapters (sterile, single packed)

## Advantages

KCI V.A.C. VeraFlo Therapy with Prontosan® Wound Irrigation Solution provides ease of use through:

- Automated volumetric therapy with customizable dwell time
- Compatible bottle with spikable cap adapter
- Streamlined solution ordering and facility supply room storage

# LavaSurge®

## sterile, ready to use solution for surgical irrigation



LAVASURGE SOLUTION group



LAVASURGE SOLUTION BOTTLE "EU" 100...

LavaSurge® is targeted to be used as an adjuvant preventive measure to avoid SSIs. It's a sterile, ready to use liquid medical device and is based on Ringer solution with 0.04 % of Polyhexanide as antimicrobial agent to prevent growth of microorganism. It's aimed to be used as surgical irrigation replacing or supporting the use of standard ringer or saline solutions.

# Prontosan® Wound Spray

## The Wound Spray for superficial wounds and burns



Prontosan® Wound Spray 75ml

Cleansing and moistening of superficial wounds and burns

## Additional Info Print

75 ml bottle with spray head

## Advantages

- Prevents wound infection
- Supports wound healing
- Prevents MDRO contamination

- Prevents biofilm formation
- Reduces pain
- Painless application

## Indication

For cleansing, irrigation and moistening of

- Superficial acute and chronic wounds (e.g. skin lesions, bites, lacerations, abrasions, crush wounds, decubitus ulcers, ulcer cruris, diabetic ulcers)
- Superficial burns

Supports removal of encrusted bandages.



# Prontosan® Wound Gel X

## Highly viscous gel for acute, chronic and burn wounds



Prontosan® Wound Gel X



Prontosan® Wound Gel X 50g



- Cleanses and moisturizes skin wounds and burns
- Prevents the formation of biofilm
- available in 50 g tube and 250 g tube

## Advantages

- Removes and prevents the formation of biofilm
- Prevents infections
- Reduces healing time
- Facilitates gentle dressing replacements
- Is compatible with commonly used wound dressings

## Indication

Cleansing, moisturizing and decontaminating skin wounds and burns:

- Traumatic wounds
- Post-operative wounds
- Chronic skin ulcers (e.g. venous, diabetic or pressure ulcers)
- Thermal wounds
- Chemical wounds (acid- and alkali-induced)
- Radiation-induced wounds

Bandage and wound dressing moistening



**SURFACE  
DISINFECTION**



# Meliseptol<sup>®</sup> acute

FAST AND HIGHLY EFFECTIVE

# Meliseptol<sup>®</sup> acute

FAST AND HIGHLY EFFECTIVE

Fast acting alcohol based disinfectant for small patient near surfaces and medical devices – effective against bacteria, yeasts, mycobacteria, enveloped and non-enveloped viruses within a minute.

## PROPERTIES

- Solution for rapid disinfection of non-invasive medical devices and small areas
- Ready-to-use alcohol based disinfectant
- Broad efficacy: full virucidal activity
- Good material compatibility, e.g. examination chairs, alcohol resistant surfaces
- Perfume-free, mild smell
- Compatible with B. Braun Wipes dispenser system

## IN A NUTSHELL

- Fast and effective for alcohol resistant material
- Short exposure time
- Free from quaternary ammonium compounds (QAC)
- Aldehyde-free
- Alkylamine-free
- Colourless
- Available as ready-to-use Wipes in Flowpacks
- Listing: VAH list and the IHO List of Disinfectants

## APPLICATION INSTRUCTIONS

Soak the areas fully with Meliseptol<sup>®</sup> acute and rub with a wipe or use the ready-to-use Meliseptol<sup>®</sup> acute wipe. Keep the surface wet until the exposure time has elapsed.

Do not wipe the surface dry. For exposure time, see table.

## Physico-chemical data ready-to-use solution

Appearance	clear, colorless liquid
pH-value	ca. 2-3
Density (20°C)	ca. 0.94 g/ml
Fragrance	none
Flash point (DIN 51 755)	+ 33.5°C

## EXPOSURE TIMES

Spectrum of activity Use undiluted under clean conditions at ambient temperature (min. 20°C)	Test Norms	Exposure Time
Bactericidal and yeasticidal incl. C. auris with mechanical action	EN 16615, EN 13727, EN 13624	1 min.
Bactericidal and yeasticidal incl. C. auris without mechanical action***	EN 17387**, EN 13727, EN 13624	1 min.
Mycobactericidal with mechanical action	EN 14348, EN 16615	1 min.
Fungicidal (A. brasiliensis) without mechanical action***	EN 17387**, EN 13624	30 min.
Virucidal, incl. HBV, HCV, HIV*	EN 14476	1 min.
Virucidal without mechanical action***	EN 14476, EN 16777	3 min.
Adenovirus	EN 14476	1 min.
Norovirus, MNV	EN 14476	1 min.
Poliovirus	EN 14476	1 min.
Polyomavirus SV40	EN 14476	1 min.

\* Acc. recommendation of RKI, Bundesgesundheitsbl. 03-2017

\*\* Some tests were carried out acc. modified EN 13697/VAH 14.1 with conditions and acceptance criteria of EN 17387

\*\*\* Additional information: main application will be with mechanical action



PRODUCT	REF
250 ml spray bottle	180241, 180246
250 ml round bottle	180242, 180247
750 ml spray bottle	180243, 180248
1000 ml OV bottle	180244, 180249
5 l canister	180245, 180250
100 pcs flow pack 100, 18 cm x 20 cm	180255, 180296
42 pcs flow pack XL, 24 cm x 30 cm	180256, 180297

## Meliseptol<sup>®</sup> acute – composition:

100 g solution contains: 39g Propan-1-ol, 0.98g Glycolic acid, Excipients

# Meliseptol® Foam pure

## Fast-acting alcoholic surface disinfection



Meliseptol® Foam pure - group



Meliseptol® Foam pure - spray 750ml

- Ready-to-use surface disinfection of alcohol sensitive surfaces
- Based on n-propanol and quaternary ammonium compound
- Active against bacteria, mycobacteria (M. terrae), fungi, viruses (HIV / HBV / HCV), Adeno- , Noro-, Polyoma-, Rotavirus
- Innovative aerosol-free foam
- 750 ml spray bottle bottle, 5 litres canister

## Advantages

- Active undiluted in 1 minute
- Aldehyde- and alkylamin-free
- Excellent material compatibility with alcohol sensitive materials e.g. ultrasound probes, space infusion pumps, Dialog+ Haemodialysis machines, artificial leather etc.

# Melseptomat®

## Decentralized automatic dosing unit & manual dosing unit



Melseptomat® G



Melseptomat® G - inside



### Melseptomat® G (automatic)

- With a key switch to select the concentration of the ready-to-use working solution
- Removable, autoclavable mixing container
- Operates from 0.5 - 6 bar water pressure
- Certified specifications on design, properties and operation of decentralized disinfectant dosing units acc. RKI recommendation

### Melseptomat® Jet (manual)

- Manual proportioner unit for the preparation and depressurized dispensing of ready-to-use disinfectants and cleaning solutions

- Operates from 1.5 – 6 bar water pressure

## Advantages

### **Melseptomat® G (automatic)**

- Single-button operation
- Robust stainless steel housing
- Automatic stop if concentrate or water levels are low

### **Melseptomat® Jet (manual)**

- No power connection
- low level device
- Easy handling

# Meliseptol® New Formula

## Fast-acting alcoholic surface disinfection



Meliseptol® New Formula - bottle 1000ml



Meliseptol® New Formula - canister 5l



Melisepto



- Ready-to-use alcoholic disinfectant for all non-invasive medical inventory, medical devices e.g. examination chairs, hospital beds, theatre equipment and other kinds of surfaces
- Highly efficient based on a mid level alcohol concentration - active within 1 minute
- Enhanced cleaning performance, even on shining metallic surfaces

## Advantages

- Without additional antimicrobial ingredient like aldehydes, QAC
- Pleasant, lemon-like smell
- Fast and comprehensive activity spectrum incl. mycobacteria and non-enveloped viruses as Rota-, Adeno- and Norovirus (MNV)

## Usage

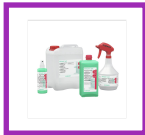
250 ml spray bottle, 250 ml round bottle, 1000 ml spray bottle, 1000 ml bottle, 5 litres canister, 25 litres canister, 200 litres drum,

# Meliseptol® rapid

## Fast-acting alcoholic surface disinfection



Meliseptol® rapid - Group



Meliseptol® rapid - bottle 1000ml

- Ready-to-use fast-acting alcoholic surface disinfectant
- Based on n-propanol and quaternary ammonium compound
- Active against bacteria, mycobacteria (*M. terrae*), yeasts and viruses (HBV / HIV / HCV), Adeno-, Noro-, Polio-, Rota- and Vaccinia virus
- 250 ml bottle, 250 ml bottle with spray head, 1000 ml bottle, 1000 ml spray bottle, 5 litres canister, 25 litres canister, 200 litres drum, 600 litres container

## Advantages

- Active undiluted in 1 minute
- Aldehyde- and alkylamine-free
- Fully virucidal in 10 minutes



# Meliseptol® pure

## Fast-acting alcoholic surface disinfection without perfume



MELISEPTOL PURE BOTTLE "EU" 1000ML



MELISEPTOL PURE BOTTLE "EU" 250ML

- Ready-to-use alcoholic disinfectant for all non-invasive medical inventory, medical devices e.g. examination chairs, hospital beds, theatre equipment and other kinds of surfaces
- Highly efficient based on a mid level alcohol concentration - active within 1 minute
- Enhanced cleaning performance, even on shining metallic surfaces
- Perfume- & residues-free for use on surfaces in food sector e.g. hospital kitchen

## Advantages

- Residues free formulation based on ethanol

# Meliseptol® Wipes sensitive

## Fast-acting alcoholic surface disinfection



MELISEPTOL WIPES SENSITIVE Group



FLOW PACK HOLDER



- Ready-to-use surface disinfection of alcohol sensitive surfaces
- Based on n-propanol and quaternary ammonium compound
- Active against bacteria, mycobacteria (*M. terrae*), fungi, viruses (HIV / HBV / HCV), Adeno-, Noro-, Polyoma-, Rotavirus
- Packaging:
  - Dispenser box with 60 wipes
  - Refill pack with 60 wipes, wipe size: 15.2 x 20 cm
  - Flow pack with 100 wipes, wipe size 18 x 20 cm
  - Flow pack XL with 42 wipes, wipe size 24 x 30 cm

## Advantages

- Available as box with refill and in two different flow pack sizes
- Active undiluted in 1 minute
- Excellent material compatibility with alcohol sensitive materials e.g. ultrasound probes, space infusion pumps, Dialog+ Haemodialysis machines, artificial leather etc.

# Meliseptol® Wipes ultra

## Alcohol-free disinfectant wipes



Meliseptol Wipes ultra box

- For virucidal preparation of medical devices coming into contact with mucous membranes. Particularly suitable for ultrasound probes
- Ready-to-use wipes for cleaning and disinfection of medical devices sensitive to alcohol
- Based on quaternary ammonium compound
- Active against bacteria, fungi, enveloped and non-enveloped viruses as well as bacteria spores
- 100 wipes per dispenser box – wipes size 140 x 200 mm

## Additional information

### Advantages

- alcohol- and aldehyde-free therefore contains no fixing ingredients for organic contaminations

- virucidal and sporicidal within 2 minutes – incl. Polyomavirus
- fast and efficient with all-around protection
- optimized wipe-dispensing system with «Safe-Lock» feature

# Meliseptol® HBV Tissues

## Wipe disinfection of surfaces (alcoholic)



Meliseptol® HBV Tissues



Meliseptol HBV Tissues



- Ready-to-use disinfectant wipes for small alcohol resistant surfaces
- Saturated with fast-acting Meliseptol® rapid (based on n-propanol and quaternary ammonium compound)
- Active against bacteria, mycobacteria (M. terrae), yeasts and viruses (HBV / HIV / HCV), Adeno-, Noro-, Polio-, Rota- and Vaccinia virus
- 100 wipes dispenser, 100 wipes refill pack

## Advantages

- Active in 1 minute
- Aldehyde- and amine-free
- Economic refill pack

## Additional Therapies

Use biocides safely. Always read the label and product information before use

# Softa® Cloth 2% CHX

## Wipes for surface disinfection and decontamination of medical devices



Softa® Cloth 2% CHX - Group



Softa® Cloth 2% CHX - box



- Single-use alcohol tissue with 2% Chlorhexidine gluconate (CHX)
- Fleece 25 g/m<sup>2</sup> 100% Polypropylene (hydrophilic non-ionic finish)
- Delivers a minimum of 70 % (v/v) Isopropylalcohol , 2 % (w/v) Chlorhexidine gluconate
- 100 wipes pack

## Advantages

- Ready-to-use
- CE-marked

## Usage

Coat surfaces completely with product. Not for invasive devices. Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness. Keep away from source of ignition. - No smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Waste disposal: see safety data sheet. Store the sealed product in a cool, dry place.

## B. Braun wipes (Eco) / B. Braun wipes mini (Eco)

### Refillable fleece wipes dispenser



B. Braun Wipes - Group



B. Braun Wipes

- High-quality lint-free wipes made from absorbent, lint-free synthetic fleece
- Proven compatibility of wipes with disinfectants
- System can be used up to four weeks after preparation

### Additional Info Print

- Dispenser systems with gray lid
- Fleece roll (100 wipes) / Fleece roll Eco (120 wipes)
- Fleece roll mini (25 wipes) / Fleece roll mini Eco (60 wipes)

### Advantages

- Reclosable lid protects against contamination and evaporation of solutions
- Easy, standardised and safe handling
- Economical use of wipes and disinfection solution

# Hexaquart® XL

## Aldehyde-free surface disinfectant (concentrate)



HEXAQUART XL Group



HEXAQUART XL BOTTLE "WEST" 1000ML

- Cleaning and disinfection of inventory and floors
- Based on amine and quaternary ammonium compounds
- Active against bacteria, mycobacteria, yeasts, enveloped viruses (HIV / HCV / BV), Adeno-, Noro-, Rota- and Vaccinia virus

## Additional Info Print

1000 ml bottle, 5 litres canister

## Advantages

- Powerful cleaning and disinfection action
- Low foaming
- Pleasant smell
- Very good material compatibility



# Hexaquart® pure

## Aldehyde-free surface disinfectant (concentrate)



HEXAQUART PURE Group

- For all areas in hospitals and medical practices
- Based on quaternary ammonium compounds
- Effective against: Bacteria, yeasts, enveloped viruses (incl. HBC, HCV, HIV) and Polyomavirus

## Additional Info Print

1000 ml bottle, 5 litres canister

## Advantages

- Excellent material compatibility
- Excellent cleaning properties
- Low foaming
- Aldehyde-, Amin-, Perfume free



## Melsept® SF

### Formaldehyde-free surface disinfectant (concentrate)



Melsept® SF



Melsept® SF

- Cleaning and disinfection of large surface areas within a medical setting
- Based on aldehydes and ammonium compounds
- Active against bacteria, mycobacteria (*M. tuberculosis*), yeasts, enveloped and non-enveloped viruses (incl. HBV / HCV / HIV)
- 1000 ml bottle, 5 litres canister, 200 litres drum, 600 litres container

### Advantages

- Excellent cleaning and disinfecting properties
- Very good material compatibility
- Free of formaldehyde

## Spray heads

**For spraying alcoholic disinfectant used for surfaces and skin**



Group Picture Spray Heads, red, white



Spray head "red" for Meliseptol® / Melis



- Spray pump for alcoholic skin and surface disinfection in 1000 ml bottles
- For Meliseptol® and Meliseptol® rapid, red
- For Meliseptol®, Meliseptol® rapid, Softasept® N, Braunoderm® or Braunol®, white
- Spray head for 1000 ml bottles

# Hand pumps for canisters

## Dosing pump for 5 and 25 litre canister



Extraction pump for 5 l canister (red)

- For dosing out of 5 litres or 25 litres canister
- Dosage approx. 15 / 20 ml
- Single packaging
- No measuring device

## Additional Info Print

Dosing pump with 15 ml dose, Dosing pump with 20 ml dose

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# B. BRAUN DISPENSER SYSTEMS

## Touchless dispenser

### PROPERTIES

- Touch free operation avoids risk of cross contamination
- Adjustable dosing volumes (0.6 ml, 1.5 ml and 3.0 ml) – the dosage is preset to 1.5 ml
- Cleaning/Maintenance mode
- Easy battery change – no tools or dismantling of the dispenser necessary
- Sensor sensitivity configurable
- Low battery level warning (optical signal)
- Suitable for all types of product – liquid, gel and moisturizers in 500 ml or 1000 ml bottles
- Interfaces for consumption monitoring and door control (opening) in place
- No change of pump or reprocessing necessary
- Collapsible bottle system reduces waste volume up to 80 %



PRODUCT	REF
Dispenser touchless set (1.5) 500/1000 ml	3908493



## Collapsible bottle

### PROPERTIES

- Ensures complete emptying of liquid
- Reduces waste volume up to 85 %

## Pump

### PROPERTIES

- Direct mounted on each bottle → no manipulation possible
- Empties bottles without air exchange → minimizes risk of microbiological contamination
- No metal, completely recyclable
- Material: HDPE, LDPE and PP

## Manual dispenser

### PROPERTIES

- Modular system with drip tray, lever, back plate
- For 500 ml and 1000 ml bottles
- Easy to clean – dishwasher proof (up to 60 °C)
- Lockable
- Easy to install
- Includes bottle change indicator
- Customizable – label it – change color... your choice!
- Adjustable dosing volume (0.6 ml, 1.5 ml, 3.0 ml)
- Airless system with unique collapsible bottles
- Ready for a smart upgrade (consumption monitoring tool)

### Materials used

- Dispenser cover: ABS/SAN
- Drip tray: ABS
- Lever: stainless steel
- Back plate: ABS



PRODUCT	REF
Drip tray	3908453
Dispenser bundle with arm lever	3908480
includes manual dispenser 500/1000 ml, arm lever, drip tray, universal back plate	
Dispenser bundle "NHS"	3908481
Manual dispenser 500/1000 ml, drip tray, NHS back plate	
Dispenser bundle "w/o arm lever"	3908482
Manual dispenser 500/1000 ml, drip tray, universal back plate	



# MAKE THE DISPENSER YOURS



## CHOOSE YOUR

- Color
- Label
- Equipment



# GET A SMART UP-GRADE



## THE SOLUTION. MAKE YOUR DISPENSERS SMART.

- Capture hand disinfection processes of each dispenser and point of care hand rub (table dispenser, bed brackets)
- Have maintenance staff refill the dispensers at the right moment
- Support of ideal dispenser positioning
- Overview of disinfectant usage
- Consumption monitoring with personal transponders for defined groups (job, area of work) as additional option
- Set compliance targets

**You talk, we listen.** Because as a hygienist, you have a very demanding job that requires skills and nerves. B. Braun knows that hand hygiene is vital for fighting the spread of infections and that's why we give you all the support you need to keep compliance high.

Trust in our know-how: fast-acting hand sanitizer, state-of-the-art dispensers and digital tools including awareness material enable a smart hand hygiene management.

# HAT Hygiene Audit Tool

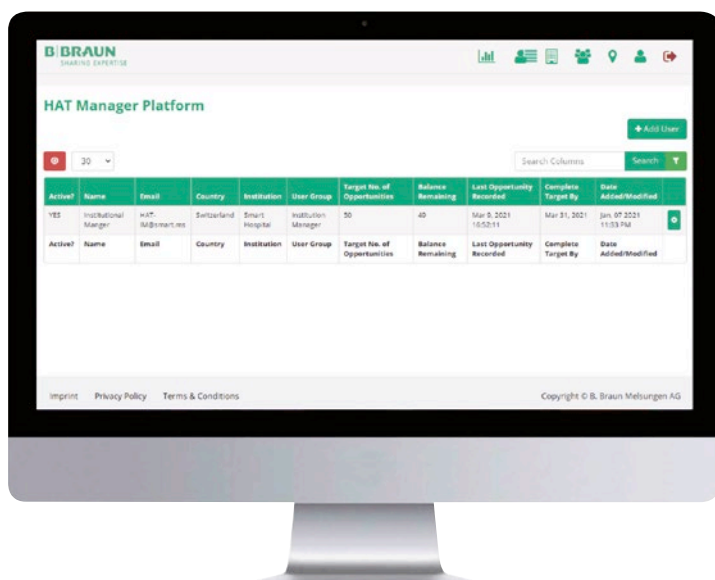
## QUALITY MANAGEMENT & USER-ADMIN TOOL WITH MOBILE APP FOR PAPERLESS COMPLIANCE MONITORING



MOBILE APP FOR INFECTION PREVENTION & CONTROL  
PROFESSIONALS AND QUALITY MANAGERS IN HEALTHCARE

MOBILE APP is activated after user-account log-in  
requires iOS 14.0 or later/Android OS

- Record hand hygiene opportunities in line with the WHO "My 5 Moments for Hand Hygiene"
- Auditor has option to include precaution measures & PPE information in audit data.
- See the targeted number of observation, fulfillment rate and deadline.
- See compliance rate by indication after each session.
- Filters allow to analyse hand hygiene compliance data by professional category, location, time period.
- Offline recorded opportunities will be submitted to the server once you reconnect to the internet.



#### WEB-BASED ADMIN-TOOL (REQUIRES PAID SUBSCRIPTION)

- User management, create user and user roles
- Set observation targets for individual auditors (How many observations until when) and control target fulfillment
- Create and arrange professional categories
- Create customized locations view and/or download reports
- Download raw-data in EXCEL-format
- Download user lists
- A group of hospitals under the same owner can be run under one subscription.

#### PRODUCT

HAT – Hygiene Audit Tool – one year subscription

#### REF

9999123



# TOUCHLESS DISPENSER

## Touchless dispenser

### PROPERTIES

- Sensor operated dispenser improves hygienic safety
- For all B. Braun hand disinfectants, liquid soaps and skin care lotions
- Autoclavable pump (max. 123 °C)
- Scratch resistant casing made of anodized aluminium
- Battery operated
- With emergency operating lever
- Adjustable dosing 0.75 – 1.5 ml
- Drip tray in system already included

### DIMENSIONS

- W 92 x H 330 x D 210 mm



PRODUCT	REF
Touchless system incl. drip tray	
For 500 ml bottle	4400774
For 1000 ml bottle	3908403
Touchless dispenser	
For 1000 ml bottle	3908393

Warranty is void if other than B. Braun products are used.

## Accessories for touchless dispenser

### PROPERTIES

- For 1000 ml Dispenser
- To lock the product into touchless dispenser
- White plastic tray
- Prevents the dripping onto the floor



PRODUCT	REF
Locking plate	3908395
Drip tray	3908394

# WALL DISPENSER PLUS

## Wall dispenser plus with plastic pump

### PROPERTIES

- Matte-silver anodized aluminium housing
- Adjustable dosing from 0.5 ml to 1.5 ml
- Plastic pump is compatible with B. Braun alcoholic hand rubs, hand washing lotions and hand care lotions
- All parts can be reprocessed in a washer disinfectant with a pH-neutral cleaner and autoclaved at 134 °C and 3 bar
- Plastic pump is not autoclavable!

### DIMENSIONS

#### 500 ml

- Short lever: W 82 x H 245 x D 160 mm
- Long lever: W 82 x H 245 x D 215 mm

#### 1000 ml

- Short lever: W 92 x H 290 x D 160 mm
- Long lever: W 92 x H 290 x D 215 mm



PRODUCT	REF
Short lever (visible lever arm length: 100 mm)	
For 500 ml bottle	1418893
For 1000 ml bottle	1418892
Long lever (visible lever arm length: 170 mm)	
For 500 ml bottle	1418894
For 1000 ml bottle	1418895

Warranty is void if other than B. Braun products are used.

## Wall dispenser plus with metal pump

### PROPERTIES

- Matte-silver anodized aluminium housing
- Adjustable dosing from 0.5 ml to 1.5 ml
- Metal pump is compatible with B. Braun alcoholic hand rubs, hand washing lotions and hand care lotions
- All parts can be reprocessed in a washer disinfectant with a pH-neutral cleaner and can be autoclaved at 134 °C and 3 bar

### DIMENSIONS

#### 500 ml

- Short lever: W 82 x H 245 x D 160 mm
- Long lever: W 82 x H 245 x D 215 mm

#### 1000 ml

- Short lever: W 92 x H 290 x D 160 mm
- Long lever: W 92 x H 290 x D 215 mm



PRODUCT	REF
Short lever (visible lever arm length: 100 mm)	
For 500 ml bottle	4400010
For 1000 ml bottle	4400009A
Long lever (visible lever arm length: 170 mm)	
For 500 ml bottle	4400114
For 1000 ml bottle	4400115

Warranty is void if other than B. Braun products are used.

# WALL DISPENSER PLUS – ACCESSORIES

## Plastic pump

### PROPERTIES

- Plastic pump for all B. Braun hand disinfectants, liquid soaps and skin care lotions
- Dosage: 0.7 / 1.0 / 1.5 ml
- Cleaning: dishwasher-safe (60 °C)
- The plastic pump can not be autoclaved



PRODUCT	REF
For 500 ml bottle	4400006
For 1000 ml bottle	4400005

Warranty is void if other than B. Braun products are used.

## Single use plastic pump

### PROPERTIES

- Single use plastic pump for all B. Braun hand disinfectants, liquid soaps and skin care lotions
- Dosage: 1.5 ml
- Packaged in sealed pouch
- Reprocessing and autoclaving not possible
- Compatible with manual dispenser plus and touchless dispensers.



PRODUCT	REF
For 500 ml bottle	4401857
For 1000 ml bottle	4401858

Warranty is void if other than B. Braun products are used.

## Metal pump

### PROPERTIES

- Exchangeable stainless-steel pump for all B. Braun hand disinfectants, liquid soaps and skin care lotions
- Dosage: 0.7 / 1.0 / 1.5 ml
- Can be reprocessed in a washer disinfector with a pH-neutral cleaner
- The metal pump can be autoclaved at 134 °C and 3 bar



PRODUCT	REF
For 500 ml bottle	4400008
For 1000 ml bottle	4400007

Warranty is void if other than B. Braun products are used.

## Locking plate and drip tray

### PROPERTIES

- Locking plate for manually operated dispensers incl. lock and key
- Made of anodized aluminium
- Drip tray with white plastic tray
- Prevents the dripping onto the floor



PRODUCT	REF
Locking plate for 500 ml dispenser	2400067
Locking plate for 1000 ml dispenser	2400064
Trip tray for 500 ml dispenser	3908232
Trip tray for 1000 ml dispenser	3908240



# WALL DISPENSER PLUS – ACCESSORIES

## Clip

### PROPERTIES

- Exchangeable Clips
- Pack size: 25 pcs./pack



PRODUCT	REF
Disinfectant DE	1419042
Wash lotion DE	1419041
White	1417667

## Wall plate

### PROPERTIES

- Grey plastic wall plate for mounting wall dispenser plus
- Not autoclavable



PRODUCT	REF
For 500 ml dispenser	3903233
For 1000 ml dispenser	3903234

## Angle plate

### PROPERTIES

- For mounting wall dispensers in e.g. narrow passageway
- Made of anodized aluminium



PRODUCT	REF
For 500 ml dispenser	290100
For 1000 ml dispenser	290200

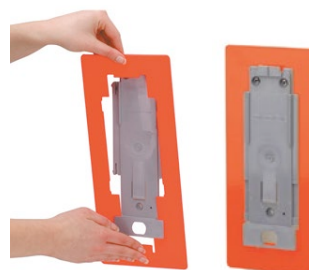
## Signal frame

### PROPERTIES

- Powder coated stainless steel signal frame
- To hang over the fitted dispenser back plate

### DIMENSIONS

- For 500 ml: W 132 x H 297 mm
- For 1000 ml: W 148 x H 336 mm



PRODUCT	REF
For 500 ml dispenser	
Red	1419032
Green	1419033
For 1000 ml dispenser	
Red	1419035
Green	1419036

## Disinfection point large

### PROPERTIES

- Brushed stainless steel
- Mounts with wheels
- Compatible for various back plates
- Dimensions (in mm): 500 x 500 x 1500
- Disinfection point includes B. Braun logo

## Disinfection point small

### PROPERTIES

- Polished stainless steel
- Light and easy to carry
- Compatible for various back plates
- Dimensions: 350 x 350 x 1400 mm
- Disinfection point includes B. Braun logo



PRODUCT	REF
Disinfection point small	3908492
Disinfection point large	3908509

# WALL DISPENSER VARIATIONS

## Wall dispenser ER T

### PROPERTIES

- Soap and disinfection dispenser with plastic housing and locking set
- Stainless steel arm lever with visible length 170 mm
- Plastic pump is compatible with B. Braun alcoholic hand rubs and hand washing lotions
- Do not use with skin care lotion
- Adjustable dosing 0.7 / 1.0 and 1.5 ml per hub
- Plastic pump can not be autoclaved
- Dimension: W 100 x H 381 x D 158 mm
- Back plate comparable with wall dispenser plus



PRODUCT	REF
For 1000 ml bottle	4401316

Warranty is void if other than B. Braun products are used.

## LCP | Soap and Disinfectant dispenser

### PROPERTIES

- Soap and disinfectant dispenser with plastic housing, operating lever made of stainless steel, exchangeable plastic pump, for disposable bottles, suitable for liquid soap without abrasive agents, and alcoholic hand disinfectants
- Do not use for Trixo®-lind or Trixo®-lind pure

### DIMENSION

- 500 ml: W 89 x H 335 x D 180 mm
- 1000 ml: W 100 x H 360 x D 185 mm



PRODUCT	REF
For 500 ml bottle	1413675
For 1000 ml bottle	1413955

Warranty is void if other than B. Braun products are used.

# BOTTLE HOLDER/CLAMP

## B. Braun bottle holder

### PROPERTIES

- Light and adjustable bottle holder
- Compatible for 500 ml and 1000 ml bottles
- Keyless lockable
- Easy to install
- Includes a sensor notch (consumption monitoring tool)
- Compatible with screw clamp

### DIMENSIONS

For 500 ml: approx. W 100 x H 158 x D 85 mm

For 1000 ml: approx. W 100 x H 215 x D 85 mm



### PRODUCT

B. Braun bottle holder

### REF

3908490

## B. Braun screw clamp

### PROPERTIES

- Screw clamp can easily be added
- Can be turned clockwise to be clamped to horizontal as well as vertical objects
- Quick release fastener simplifies attachment
- Min./max. size of the pole: Min. 1 cm/max. 4 cm

### DIMENSIONS

Closed clamp (minimum): approx. W 54 x H 160 x D 75 mm

Open clamp (maximum): approx. W 54 x H 200 x D 75 mm



### PRODUCT

B. Braun screw clamp

### REF

3908491

### CLEANING/DISINFECTION ADVICE:

Both products can be cleaned and disinfected with Meliseptol® Wipes sensitive.

# WALL BRACKETS

## Wall bracket

### PROPERTIES

- Made of stainless steel
- Double-sided adhesive pad allows convenient fixation



PRODUCT	REF
For 500 ml bottle	3908339
For 1000 ml bottle	3908340

## Wall bracket with short and long arm lever

### PROPERTIES

- Made of stainless steel
- Double-sided adhesive pad allows convenient fixation
- Short arm lever 160 mm
- Long arm lever 220 mm



PRODUCT	REF
Short arm lever for 500 ml bottle	3908371
Short arm lever for 1000 ml bottle	3908373
Long arm lever for 500 ml bottle	3908372
Long arm lever for 1000 ml bottle	3908374

## Wall bracket white powder coated

### PROPERTIES

- For 500 ml and 1000 ml bottles
- White



PRODUCT	REF
For 500 ml bottle	3908331
For 1000 ml bottle	3908332

## Wall bracket for airless system

### PROPERTIES

- For 1000 ml airless bottle



PRODUCT	REF
Wall bracket with lever 10 cm	3908386

# WALL BRACKETS

## Lockable wall bracket system 500 ml

### PROPERTIES

- Made of clear alcohol resistant translucent polycarbonate
- Offered as a lockable wall dispenser with or without stainless steel lever or wall bracket only



PRODUCT	REF
Wall bracket 500 ml basic	3908416
Wall bracket 500 ml lockable	3908417
Arm lever for wall bracket 500 ml	3908418

## Lockable wall bracket system 1000 ml

### PROPERTIES

- Made of clear alcohol resistant translucent polycarbonate
- Offered as a lockable wall dispenser or as wall bracket only



PRODUCT	REF
Wall bracket 1000 ml basic	3908432
Wall bracket 1000 ml lockable	3908431

# BED BRACKETS

## Wire dispenser

### PROPERTIES

- Wire dispenser for beds



### PRODUCT

For 500 ml bottle

### REF

1416337

## Bed bracket

### PROPERTIES

- Made of stainless steel
- To hang bottle on beds



### PRODUCT

For 500 ml bottle

### REF

3908342



# WIPES BRACKETS

## Wipes bracket large

### PROPERTIES

- For Meliseptol® Wipes sensitive and B. Braun Wipes mini
- Made of stainless steel



## Wipes bracket small

### PROPERTIES

- For Meliseptol® Wipes ultra and Meliseptol® HBV Tissues
- Made of stainless steel

PRODUCT	REF
Wipes bracket large Diameter: 110 mm	3908397
Wipes bracket small Diameter: 84 mm	3908428

## Flow pack holder

### PROPERTIES

- For Meliseptol® Wipes sensitive 100 & XL
- Made of stainless steel
- White; powder-coated



### NOTICE

The bracket is approved for installation in emergency cars: test report according to DIN EN 1789 points 4.5.9 and 5.4 about the testing of restraint systems and the attachment of equipment in emergency vehicles. DIN EN 1789:2007+A2:2014

PRODUCT	REF
Flow pack holder	3908470

# HAND PUMPS

## Hand pump with reflux valve

### PROPERTIES

- For 500 ml and 1000 ml bottles
- Round head
- Reflux valve
- Single use
- Dosage approx. 2 ml
- No measuring device



PRODUCT	REF
For 500 ml bottle	3908380
For 1000 ml bottle	3908381

## Hand pump with reflux valve and long nozzle

### PROPERTIES

- For 500 ml and 1000 ml bottles
- Round head, long nozzle (80 mm)
- Reflux valve
- Dosage approx. 1.7 ml (no measuring device)



PRODUCT	REF
For 500 ml bottle	3908405
For 1000 ml bottle	3908404

# CLIPS

## Crocodile clip

### PROPERTIES

- Crocodile clip for 75 ml and 100 ml bottle
- Device to hang a bottle on one's pocket
- Clip for 75 ml bottle in packs of 25 pieces



PRODUCT	REF
For 75 ml bottle	TC01
For 100 ml bottle	3908191
Replacement ring	3908190

## Jojo clip

### PROPERTIES

- To make hand rubs accessible at the point of care
- Return spring is specially adjusted to the weight of a 100 ml bottle



PRODUCT	REF
Retractable belt clip for 100 ml bottle	3908409

# TRAINING & COMPLIANCE MATERIAL

## LiteCheck UV

### PROPERTIES

- Training tool to learn how to correctly perform hand hygiene rubbing technique



### PRODUCT

LiteCheck UV

### REF

3908469

## SurfaceCheck UV

### PROPERTIES

- Kit to check if surface was cleaned
- Includes: Refillable marker, UV light, pipette for filling



### PRODUCT

SurfaceCheck UV

### REF

3908476

## Fluo-Add

### PROPERTIES

- Fluorescent solution for visualizations under UV-light
- For training purpose only (not tested handrub)
- Usable for SurfaceCheck UV marker



### PRODUCT

100 ml bottle

### REF

180127

# ACCESSORIES FOR SURFACE AND INSTRUMENT DISINFECTION

## Spray head

### PROPERTIES

- Spray head for alcoholic skin and surface disinfection in 1000 ml bottle
- For Meliseptol®, Meliseptol® rapid, Softasept® N, Braunoderm® or Braunol®



PRODUCT	REF
For 500 ml bottle	3908425
For 1000 ml bottle	3908012

## Spray head "red" for Meliseptol®/Meliseptol® rapid

### PROPERTIES

- Spray head for alcoholic skin and surface disinfection in 1000 ml bottle
- For Meliseptol® New Formula, Meliseptol® rapid



PRODUCT	REF
For 1000 ml bottle	6510094

## Spray head (single use)

### PROPERTIES

- Spray head for 1000 ml bottle
- Single use



PRODUCT	REF
For 1000 ml bottle	3908013

# ACCESSORIES FOR CANISTERS

## Spanner for 5 and 10 liters canister

PROPERTIES

- For canisters used for machine reprocessing of instruments
- To span 5 and 10 liters canister
- Made of plastic



PRODUCT	REF
Spanner for 5 and 10 liters canister used for machine reprocessing of instruments	3908187

## Dosage pump

### PROPERTIES

- For dosing out of 5 and 10 liters canister
- Dosage approx. 15 ml or 20 ml
- Single packaging
- No measuring device



PRODUCT	REF
Dosage pump 15 ml for 5 and 10 liters canister	3908478 DIN51
Dosage pump 20 ml for 5 liters canister	3908479 DIN51

## Discharge stopcock

### PROPERTIES

- For convenient and economical refilling of 5 liters canister



PRODUCT	REF
Discharge stopcock for 5 and 10 liters canister	3908477 DIN51



# ACCESSORIES FOR SURFACE AND INSTRUMENT DISINFECTION

## Suction tube doser

PROPERTIES

- Simply screw onto 1000 ml bottle
- Press bottle until you obtain the amount of liquid required
- Approximately measures 5 ml to 20 ml
- Single packed
- No measuring device



PRODUCT	REF
20 ml suction tube doser	3908422

## Measuring cup

PROPERTIES

- For measuring 15 ml to 50 ml
- Made of PP
- Packs of 10 pieces
- No measuring device



PRODUCT	REF
Measuring cup 10 – 50 ml	3908046

## Instrument tray

### PROPERTIES

- Practical support for instrument disinfection
- With transparent lid
- Temperature stable up to 50 °C



PRODUCT	REF
Volume 2 liters: 325 x 176 x 150 mm	3908259
Volume 10 liters: 530 x 325 x 150 mm	3908267

# WIPES DISPENSER SYSTEMS

## Flexible and practical to use

### CHARACTERISTICS

The practical B. Braun Wipes are used wherever hygiene and cleanliness are of particular importance, e.g. in the medical and dental sector, hospitals, nursing homes, pharmaceutical companies, laboratories and food operations.

B. Braun Wipes are immediately available, presaturated in ready-to-use disinfectant, resistant and – thanks to their generous size and high capacity to absorb water and soil – can even be used in special mop systems to clean and disinfect floors. Single-use wipes reduce the risk of cross-contamination compared to conventional mops that need to be dipped in the disinfectant solution again and again.

It goes without saying that B. Braun Wipes can also be removed with gloved hand and used for manual cleaning and disinfection of medical devices or medical fixtures and fittings.

Lids are available in red, blue and green for rapid visual distinction of the various products used. A ballpen can be used to fill in the designated areas on the label.



PRODUCT	REF
B. Braun Wipes Disinfectant wipe dispenser with gray cap (without fleece roll)	19873
B. Braun Wipes Fleece roll with 100 wipes (190 mm × 360 mm)	19164
B. Braun Wipes ECO Fleece roll with 120 wipes (190 mm × 360 mm)	19726
B. Braun Wipes mini Disinfectant wipe dispenser with gray cap (without fleece roll)	19874
B. Braun Wipes mini Fleece roll with 25 wipes (240 mm × 280 mm)	19183
B. Braun Wipes mini ECO Fleece roll with 60 wipes (150 mm × 200 mm)	19725

## PROPERTIES

### B. Braun Wipes/Wipes mini

- Tissues of high quality (65 g / m<sup>2</sup>)
- High tensile strength by a cross-layered tissue structure
- Double layered mini-tissue
- B. Braun Wipes 100 pieces (19 cm x 36 cm)
- B. Braun Wipes mini 25 pieces (24 cm x 28 cm)

### B. Braun Wipes ECO/Wipes mini ECO

- Tissues of good quality (50 g / m<sup>2</sup>)
- Stretchy in transverse direction through parallel set tissue structure
- Ecological/economic in consumption (20 % reduction of material)
- B. Braun Wipes ECO 120 pieces (19 cm x 36 cm)
- B. Braun Wipes ECO mini 60 pieces (15 cm x 20 cm)

## TESTED B. BRAUN DISINFECTANTS

Compatible with the following B. Braun disinfectants	Minimum concentration	Exposure time
Hexaquart® pure	0.5 %	30 min.
Hexaquart® XL	1.0 %	15 min.
Melsept® SF*	1.0 %	60 min.
Meliseptol® rapid	concentration	1 min.
Meliseptol® Foam pure	concentration	1 min.
Meliseptol® New Formula	concentration	1 min.
Ethanol 70% denat.	concentration	5 min.
Ethanol 80% denat.	concentration	5 min.

\* the ready-to-use solution can be used up to 14 days in use with B. Braun Wipes / Wipes mini. In use with B. Braun Wipes ECO / Wipes ECO mini the wipes can be used up to 28 days too.

The B. Braun products listed in the table have been tested with the B. Braun Wipes dispenser system. The ready-to-use solution can be used up to 28 days. B. Braun Wipes do not cause the active disinfectant agent to accumulate, but instead distribute it over the surface to be disinfected.

# Melseptomat® G

Decentralized automatic dosing unit with the key to success

## CHARACTERISTICS

Simply press a button and the Melseptomat® G delivers a ready-to-use working concentration made from a disinfectant or cleaner concentrate and tap water, accurately prepared in the pre-defined dilution rate. Sensors monitor the dosing. Suitable for all areas inside hospitals, food sector or industry, where exact dosing is required.

## AT A GLANCE

- Single-button operation
- Extreme robust stainless steel housing (1.5 mm steel sheet), vandal-proof operator's control
- Operating status and the empty and fault messages are displayed via the green/red lights (LED) integrated in the operator button
- Removable, autoclavable mixing container
- Preselection of the dosing via key selector
- Dosing preselection: 0.25 %, 0.5 %, 1 %, 1.5 %, 2 %, 4 %
- Predefinable amount of ready-to-use working solution from 1 to 50 liters. Dosing may be stopped at any time by pressing the button.
- Dosing calibration without opening the device
- Dosing error: +6.5 %
- Microprocessor controlled system
- Sensors monitor the dosing
- Automatic stop if concentrate or water levels are low

## THE MELSEPTOMAT® G MEETS THE FOLLOWING SPECIFICATIONS AND GUIDELINES

- Specifications on design, properties and operation of decentralized disinfectant dosing units – guidelines from the Bundesanstalt für Materialforschung und –prüfung (Federal Institute for Materials Research and Testing), of the Robert Koch Institute (RKI) and the Kommission für Krankenhaushygiene und Infektionsprävention (The Commission for Hospital Hygiene and Infectious Disease Prevention)
- Infection control guideline for cleaning and disinfecting surfaces – recommendations made by the Federal Institute for Materials Research and Testing at the Robert Koch Institute (RKI)
- System separation to protect potable water against backflow: DIN EN 1717; EN 13076/unrestricted air gap, Family A, Type A
- Electromagnetic compatibility (EMV): EN 55014
- Technical safety test: EN 60335
- Compatibility with B. Braun disinfectant and cleaning concentrates
- Service friendly modular construction

## TECHNICAL DATA MELSEPTOMAT® G

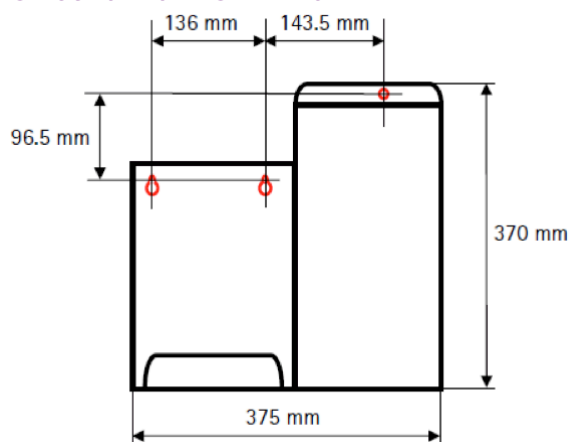
Flow rate	max. 400 liters/h
Preselected dispensing quantity	1 – 50 liters
Minimum quantity	1 liter
Preselection quantities	0.25 – 0.5 – 1 – 1.5 – 2 – 4 %
Dosing error	max. +6.5 %
Water connection	1/2" external thread
Water pressure	0.5 bar – 6 bar
Power supply	Plug in power Primary voltage: 90–264 V, ~ 50–60 Hz; Secondary voltage: 24 VDC; 1A
Energy	max. 24 VA
Dimensions (B * H * T)	375 mm x 370 mm x 150 mm
Suction lance	for 5 liter canister with thread VS DIN 50
Outlet hose	max. length 1 meter

## ENVIRONMENTAL INFORMATION

B. Braun is certified according to

- DIN EN ISO 9001:2008 quality management system
- DIN EN ISO 13485:2003 to provide medical devices and related services that consistently meet customer requirements and regulatory requirements applicable to medical devices and related services;
- DIN EN ISO 14001:2004 environmental management system and
- OHSAS 18001:1999 occupational health and safety management systems
- For the production site Sempach a GMP certificate (pharmaceutical production) is also available.

## INSTRUCTION FOR INSTALLATION



PRODUCT	REF
Melseptomat® G, Decentralized automatic dosing unit	3908420

Melseptomat® G is tested, and delivered ready for connection and ready to mount.



**You Tube** Just browse for „Melseptomat® G“

#### SUITABLE FOR THE DOSAGE OF

- Helipur®
- Helipur® H plus N
- Helizyme®
- Hexaquart® XL
- Hexaquart® pure
- Melsept® SF
- Melsitt®
- Stabimed® fresh
- and many other disinfectants

## We care for patient and healthcare worker safety ... and for your valuable instruments

Reusable invasive medical devices must be reprocessed using a validated cleaning and disinfection process prior to a validated sterilizing process to guarantee patient safety.

Reprocessing is detailed, labor intensive, time-consuming and can be prone to errors. Each reusable medical device requires specific reprocessing steps or techniques appropriate for that device.

The staff being responsible for the steps in the process need

- access to the manufacturers instructions for use and proper training to learn how to.
- equipment (e.g. appropriately sized brushes) available for use.
- Personal Protective Equipment (PPE), to protect themselves against biohazards or splashes of reprocessing agents.

Every used medical device has to be regarded as contaminated, even it is visibly clean. It can transmit infectious diseases e.g. in case of sharp injuries to the staff.

But even a process state of the art, which guarantees patient and healthcare worker safety may damage your valuable surgical instruments / reusable medical devices.

For decades B.Braun has developed and manufactured surgical instruments and reprocessing agents as well as offering a complete infection prevention and control portfolio including PPE.

An optimized process using B. Braun products fulfills highest requirements regarding patient and healthcare worker safety reducing repair and maintenance costs.

## B. Braun offers a comprehensive portfolio of reprocessing products, services, training and consulting.

IN GENERAL	<ul style="list-style-type: none"><li>▪ Infection control plans</li><li>▪ MSDS Material Safety Data Sheets</li><li>▪ Dosing table and dosing aids</li></ul>	<ul style="list-style-type: none"><li>▪ Expert reports and certificates</li><li>▪ Stickers</li><li>... and much more</li></ul>
AUTOMATED REPROCESSING	<ul style="list-style-type: none"><li>▪ Process analysis and optimization, regarding cleaning, disinfection, consumption of reprocessing agents and batch time</li><li>▪ Validation of the cleaning and disinfection process</li></ul>	<ul style="list-style-type: none"><li>▪ Documentation</li><li>▪ Determining the pH-Value in the cleaning step</li><li>▪ Chemical analysis of the water quality</li><li>... and much more</li></ul>



# INSTRUMENTS

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### MANUAL REPROCESSING

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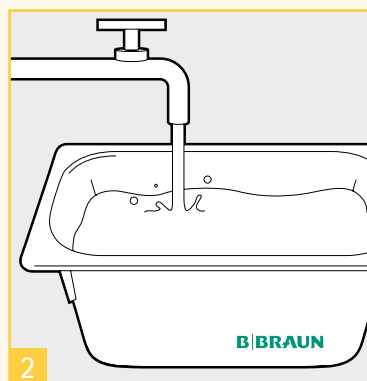


# INSTRUMENTS

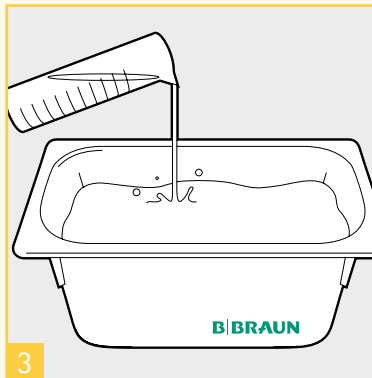
## MANUAL REPROCESSING OF INSTRUMENTS



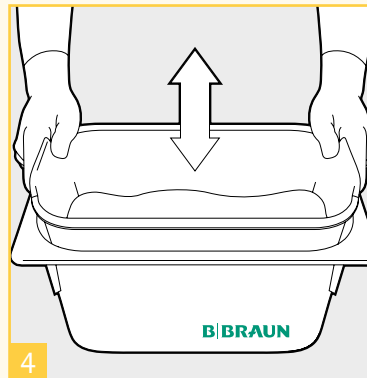
Wear PPE.



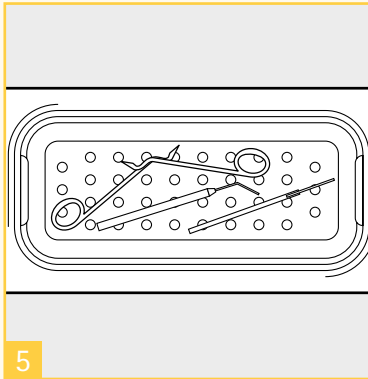
Fill container, e.g. instrument bath, with ca. 20 °C water.



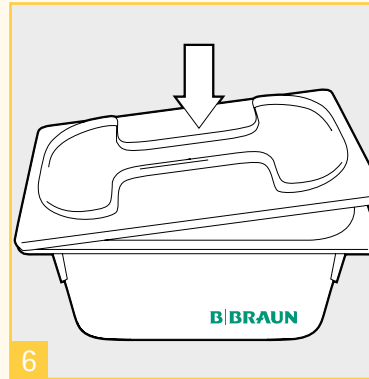
Using a suitable dosage system, measure disinfectant and add to the water; for a powder product, wait until the disinfectant has dissolved.



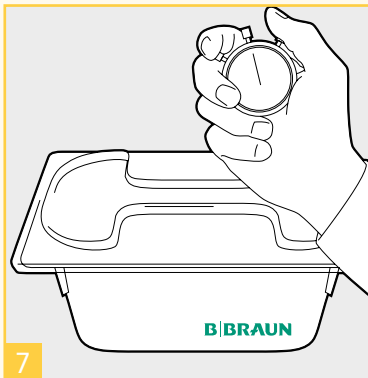
To mix, move tray upwards and downwards.



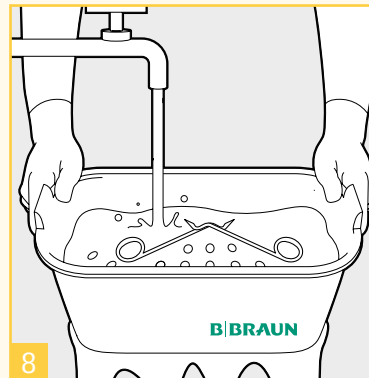
Place instruments and equipment in the solution, making sure they are fully immersed.



Close bath.



Wait until the exposure time has fully elapsed. (The exposure time starts, when the last instrument is placed in the bath).



Rinse the instruments thoroughly under cold running tap water. Perform the final rinse in demineralized or distilled water. Dry instruments with an absorbent, lint-free cloth towel.

# ENZYMATIC CLEANER



**Helizyme** ...for manual reprocessing of instruments and flexible endoscopes

## PROPERTIES

- Excellent cleaning power
- For manual and semi-automatic cleaning of surgical instruments, rigid and flexible endoscopes
- Innovative combination of a ternary surfactant system with proteolytic enzymes
- Economically low ready-to-use working concentration. (1 %/ 5 min.)
- Has excellent cleaning power against contaminants containing proteins and lipids
- Extraordinary effective biofilm remover (demonstrated efficacy in in-vitro tests)
- pH-neutral
- High material compatibility
- May be used in an ultrasonic bath
- Removes dried on dirt
- Recommended by Aesculap to clean diamond cutters

INSTRUCTIONS FOR USE

1 % (diluted with hand warm water). Soak instruments, ensure they are fully covered. Use suitable cleaning utensils. Exposure time 5 minutes, prolong as required.  
For cleaning diamond cutters, sonicate in 50% Helizyme for 30 minutes in an ultrasonic water bath set at 60 °C.

After cleaning, rinse instruments thoroughly with water and proceed as required. The solution should be renewed daily, or if visibly soiled.

Follow instructions of the manufacturer of instruments and endoscopes.

Especially channels of flexible endoscopes must be cleaned with brushes and flushed with water, e.g. by using a syringe.

PRODUCT SIZE	REF
1000 ml bottle	18557, 18765, 19862
5 l canister	18767, 19448, 19863

Physico-Chemical Data	Concentrate	Ready-to-use solution
pH-value (20 °C):	ca. 6	ca. 7
Density (20 °C, g / cm³):	ca. 1.08	
Appearance	Clear, blueish	clear, light blue



Perfume-free

Helizyme – Composition:

Surfactants, enzymes, complexing agents, corrosion inhibitors, excipients. | Ingredients in accordance with the Regulations for Detergents EG 648/2004 | < 5 % anionic surfactants, < 5 % non-ionic surfactants, < 5 % polycarboxylate, methylparabene, enzymes | Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

# DISINFECTING CLEANER



**STORZ**  
KARL STORZ – ENDOSKOP

**Stabimed® fresh** ...simultaneously cleaning and disinfection in one step

## PROPERTIES

- Fresh and pleasant smell
- Fast effective & economic with a broad efficacy spectrum
- Liquid concentrate based on alkylamine  
Phenol-, QAC- & Aldehyde-free, therefore non protein-fixing
- Excellent cleaning properties, easily removes blood and secretions
- Fast and gentle reprocessing of reusable medical devices such as flexible or rigid endoscopes, anaesthetic equipment and other heat sensitive materials
- Can be used in ultrasonic baths
- Recommended by Aesculap
- Approved and listed by Karl Storz



## AT A GLANCE

- Simultaneously cleaning & disinfection of heat resistant re-usable medical device
- Effective against bacteria, yeasts and enveloped viruses at 1 %/5 minutes
- Fresh and pleasant smell
- Tuberculocidal within 2 %/15 minutes
- Very gentle to all kind of material
- Contains corrosion inhibitors
- Used in ultrasonic bath

## INSTRUCTIONS FOR USE

After soaking in ready-to-use Stabimed® fresh working solution, rinse the instruments thoroughly under cold running tap water. Perform the final rinse in demineralized or distilled water. Dry instruments with an absorbent, lint-free cloth towel.

Prior to the first use of Stabimed® fresh the instrument bath shall be cleaned with water and Helizyme, to remove potential residues of previously used products (in particular if aldehyde-based disinfectants have been used). Do not mix with aldehyde based products.

Use diluted under clean and/or dirty conditions at ambient temperature (min. 20°C)

## MICROBIOLOGICAL EFFICACY

Micro-organism	Conc.	Contact time	ml/l
Cleaning and disinfection of instruments Bactericidal, yeasticidal (EN 13727, 13624, 13561, 13562)	1.0 % 0.5 %	5 min. 15 min.	10 ml/l 5 ml/l
Virucidal against enveloped viruses (incl. HBV, HCV, HIV) <sup>1)</sup>			
Vaccinia-virus			
Tuberculocidal (M. terrae) (EN 14348, EN 14563)	2.0 % 0.5 %	15 min. 30 min.	20 ml/l 5 ml/l
Cleaning and disinfection in an ultrasonic bath	1.0 %	5 min.	10 ml/l
Adenovirus (EN 14476)	4.0 %	1 h	40 ml/l
Polyomavirus (DVV/RKI)	2.0 %	1 h	20 ml/l

## CAUTIONS

Limited compatibility with silicone based products. Follow the reprocessing recommendation of the instrument manufacturer.



replaces Stabimed®

## PRODUCT SIZE

## REF

1000 ml bottle	19689, 19829, 19860, 19881
5 l canister	19690, 19828, 19861, 19882

## Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

## Concentrate

ca. 10  
ca. 0.98  
clear  
blue-green

## Ready-to-use solution

ca. 9  
clear  
blue-green

## Stabimed® fresh – Composition:

100 g Stabimed® fresh contains cocospropylene diamine 20.0 g, excipients: surfactants, solvents, complexing agents, corrosion inhibitors, solubilisers, perfume, colourants. | Ingredients in accordance with the Regulations for Detergents EG 648/2004: 15–30% nonionic surfactants, perfume | Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

1) acc. recommendation of RKI, Bundesgesundheitsblatt 03-2017

2) VAH = Association of Applied Hygiene

# HIGH-LEVEL DISINFECTANT



**STORZ**  
KARL STORZ – ENDOSKOPE

## Stabimed® ultra ...for manual reprocessing

### PROPERTIES

- Highly effective within only 10 minutes
- For high-level disinfection of flexible endoscopes
- Aldehyde- & phenol-free
- Small volumes to be stored
- Completely biodegradable
- Bactericidal
- Fungicidal
- Mycobactericidal
- Virucidal
- Sporicidal

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Advanced granulated formulation with highly fast virucidal activity of 2% / 10 minutes.

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## AT A GLANCE

- Aldehyde-, QAC- & phenol-free
- High material compability thanks to neutral pH
- Extremely effective active agent based on peracetic acid
- Excellent cleaning performance
  - Dust-free pearl-granulation
- Suitable for invasive & non-invasive instruments, especially for flexible endoscopes
- Approved and listed by Karl Storz Endoskope

## INSTRUCTIONS FOR USE

Terminal disinfection of thermolabile instruments  
e.g. flexible endoscopes

- Wear gloves and protective clothing, follow the reprocessing recommendations of the endoscope manufacturer
- Pre-cleaning in the examination room: immediately after the examination (with an enzymatic cleaner e.g. Helizyme)
- Manual cleaning in the reprocessing room: clean the channels and other parts of the endoscope with special cleaning brushes (with an enzymatic cleaner e.g. Helizyme)
- Rinsing: Rinse with water
- Terminal manual disinfection: with Stabimed® ultra (e.g. 2%, 10 min.)
- Rinsing: Thoroughly rinse with water, use fully demineralized sterile water for the final rinse
- Allow to dry completely (low temperature sterilization: if available and required)

PRODUCT SIZE	REF
800 g powder bottle	19812
4 kg bucket	19939

## Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

## Concentrate Ready-to-use solution

n.a. 7 – 8  
n.a. ca. 1 g/cm³  
white clear  
powder light blue

Use diluted at ambient temperature (min. 20°C). For the final disinfection of heat sensitive medical devices use clean conditions.

## MICROBIOLOGICAL EFFICACY

Micro-organism	Conc.	Contact time	ml/l
Cleaning and disinfection of thermostable and thermolabile instruments. Bactericidal, yeasticidal, mycobactericidal (EN 13727, 13624, 14348, 14561, 14562, 14563)	2%	10 min	20 ml/l
	1.5%	15 min	15 ml/l
Virucidal (EN 14476, EN17111 incl. HBV, HCV, HIV1)	2%	10 min	20 ml/l
	1.5%	15 min	15 ml/l
Fungicidal (A. brasiliensis) (EN 13624, 14562)	2%	15 min	20 ml/l
Sporicidal (EN 17126, C. difficile, B. subtilis)	2%	10 min	20 ml/l
	1.5%	15 min	15 ml/l

## DISINFECTION OF THERMOSTABLE INSTRUMENTS

Wear gloves and protective clothing, pay attention to the reprocessing recommendations of the instrument manufacturer.

- Disinfection of pre-cleaned instruments: Place the instruments after the pre-cleaning in the Stabimed® ultra solution (2% – 10 min.), making sure they are completely immersed
- When disinfection is complete, rinse the instruments thoroughly under running tap-water, perform a final rinse with fully demineralized water, and allow to dry completely or use a lint-free towel for drying. Use a lubricant if indicated, inspect, perform a function check and pack the instruments e.g. in a closed container for steam sterilization.

- If more details are requested please see: [www.a-k-i.org](http://www.a-k-i.org)



Virucidal &amp; sporicidal

## Stabimed® ultra – Composition:

Stabimed® ultra contains peracetic acid 0.16% in situ (diluted at 10 g/l in water). | Ingredients in accordance with the Regulations for Detergents EG 648/2004: < 5% anionic surfactants  
Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

1) acc. recommendation of RKI, Bundesgesundheitsblatt 03-2017



# MANUAL DISINFECTANT



**STORZ**  
KARL STORZ – ENDOSKOPE

## Helipur® H plus N ...for heat sensitive medical devices

Disinfectant for pre-cleaned surgical instruments and heat sensitive medical devices

### PROPERTIES

- Liquid concentrate aldehyde-based
- Free of formaldehyde
- Gentle reprocessing of rigid and flexible endoscopes, anaesthetic equipment and other heat sensitive material
- Broad efficacy spectrum: bactericidal (incl. MRSA), yeasticidal, mycobactericidal, virucidal against enveloped viruses (incl. HBV, HCV, HIV)<sup>1)</sup> and non-enveloped viruses
- Economically low ready-to-use working concentration: (1 %/30 Min.; 1.5 %/15 Min. VAH<sup>2)</sup>)
- Can be used in ultrasonic baths
- Approved and listed by Karl Storz



## AT A GLANCE

- Highly effective
- Excellent material compatibility
- Virucidal acc. DWV/RKI and EN 14476
- Free of formaldehyde
- For rigid and flexible endoscopes
- VAH<sup>2)</sup>-listed

## INSTRUCTIONS FOR USE

- Soiled instruments should be precleared with a detergent.
- Use Helizyme for cleaning of flexible endoscopes prior to disinfection.
- After disinfection, rinse the instruments thoroughly with water and proceed as required.
- Perform the final rinse in demineralized or distilled water.
- Visibly contaminated solutions shall be discarded.
- Please use product only in well-ventilated rooms and keep the instrument bath closed.

## CAUTION

Do not mix with amine based products.

Use diluted under clean conditions at ambient temperature (min. 20°C)

## MICROBIOLOGICAL EFFICACY (CLEAN CONDITIONS)

Micro-organism	Conc.	Contact time	ml/l
Disinfection of thermostable and thermolabile instruments	1.5 %	15 min.	15 ml/l
Bactericidal, yeasticidal (EN 13727, 13624, 14561, 14562)	1.0 %	30 min.	10 ml/l
Virucidal against enveloped viruses (DVV/RKI, EN 17111 incl. HBV, HCV, HIV) <sup>1)</sup>	1.0 %	15 min.	10 ml/l
Virucidal (non enveloped viruses), (EN 14476, 17111)	4.0 %	15 min.	40 ml/l
	2.0 %	30 min.	20 ml/l
Rotavirus (DVV/RKI)	0.25 %	5 min.	2.5 ml/l
Polyomavirus (DVV/RKI) <sup>1)</sup>	2.0 %	15 min.	20 ml/l
	1.0 %	30 min.	10 ml/l
Adenovirus (EN 14476)	1.0 %	5 min.	10 ml/l
Poliovirus (EN 14476)	4.0 %	15 min.	40 ml/l
Norovirus (MNV, EN 14476, 17111)	2.0 %	30 min.	20 ml/l
Mycobactericidal (EN 14348, 14563)	4.0 %	15 min.	40 ml/l
	2.5 %	30 min.	20 ml/l
Sporicidal (acc. 14347, B. subtilis and B. cereus, min. 4 log reduction)	17 %	- 6 h	170 ml/l
	15 %	- 8 h	150 ml/l

PRODUCT SIZE	REF
1000 ml bottle	3891950, 18940
5 l canister	3892212, 18941

## Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm<sup>3</sup>):  
Appearance

## Concentrate Ready-to-use solution

ca. 4.5      ca. 5  
ca. 1.02  
green      light-green



Virucidal & mycobactericidal

## Helipur® H plus N – Composition:

100 g solution contains: Glutaral 12.0 g, 2-Propanol 7.5 g, Ethylhexanol 0.5 g. Excipients: Ingredients in accordance with the Regulations for Detergents EG 648/2004 | 5–15% anionic surfactants, < 5% nonionic surfactants, Perfume (Limonene) | Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children only professional use.

1) acc. recommendation of RKI, Bundesgesundheitsblatt 03-2017    2) VAH = Association of Applied Hygiene

# MANUAL CLEANER & DISINFECTANT

**Helipur®** ...cleaning and disinfection of heat resistant medical devices

## PROPERTIES

- Highly effective liquid disinfection concentrate
- Suitable for surgical instruments made of stainless steel, glass and ceramics
- Cleaning and disinfection in one step; contaminated instruments can be soaked directly in the ready-to-use working solution. Manual pre-cleaning can be omitted.
- Aldehyde-free
- Economic
- Effective against bacteria (incl. MRSA<sup>1)</sup> and TbB), fungi and enveloped viruses (incl. HBV, HCV, HIV)<sup>1)</sup> and Polyoma- and Adenovirus.
- Can be used in ultrasonic baths
- VAH<sup>2)</sup>- and RKI<sup>3)</sup>-listed

## INSTRUCTIONS FOR USE

After soaking in ready-to-use Helipur® working solution, rinse the instruments thoroughly under cold running tap water. Perform the final rinse in demineralized or distilled water. Dry instruments with an absorbent, lint-free cloth towel.

Prior to the first use of Helipur® the instrument bath shall be cleaned with water and Helizyme, to remove potential residues of previously used products.

Use diluted under clean and/or dirty conditions at ambient temperature (min. 20°C)

## MICROBIOLOGICAL EFFICACY

Micro-organism	Conc.	Contact time	ml/l
Disinfection of instruments.	3 %	5 min	30 ml/l
Bactericidal, yeasticidal, myco-bactericidal (EN 13727, EN 13624, EN 14348, EN 14562, EN 14563)	1.5 %	15 min	15 ml/l
Virucidal against enveloped viruses (EN 14476, 17111 incl. HBV, HCV, HIV) <sup>1)</sup>	1 %	15 min	10 ml/l
Fungicidal (A. brasiliensis) (EN 14562)	3 %	15 min	30 ml/l
	1.5 %	60 min	15 ml/l
Further results (in vitro)			
Polyomavirus (DVV/RKI)	1.5 %	5 min	15 ml/l
Adenovirus (EN 14476)	3 %	60 min	30 ml/l

## CAUTION

Helipur® is not suitable for reprocessing heat sensitive materials, in particular flexible endoscopes.

PRODUCT SIZE	REF
1000 ml bottle	18894
5 l canister	18895

### Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

### Concentrate

11 ± 0,3  
ca. 1.09  
red-brown

### Ready-to-use solution

9.5 ± 0.5

### Helipur® – Composition:

100 g solution contains Chlorocresol 8.5 g, Clorofen 4.8 g, Biphenyl-2-ol 4.0 g, anionic surfactants, aliphatic alcohols, complexing agents, solvents, corrosion inhibitors, perfume, clourants. Ingredients in accordance with the Regulations for Detergents EG 648/2004 >30% anionic surfactants, <5% phosphonates, perfume, colourants. (Benzyl Salicylate, Coumarin, Eugenol, Linalool) Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

1) acc. recommendation of RKI, Bundesgesundheitsblatt 03-2017

3) RKI = Robert Koch-Institute

2) VAH = Association of Applied Hygiene

4) DVV / RKI suspension test 5) EN 14476, DVV/RKI suspension test



Excellent cleaning

# DECENTRALIZED AUTOMATIC DOSING UNIT

## Melseptomat® G ...our dosing machine

### FEATURES

- Single button operation
- Extremely robust stainless steel housing (1.5 mm steel sheet) with vandal-proof operating keyboard
- The operating status and the «empty» and «defect» warnings are indicated with the green-red ring light (LED) integrated in the operator button
- Removable, autoclavable mixing bowl
- Selectable dosage using key switch
- Dosage pre-selection settings: 0.2 %, 0.5 %, 1 %, 1.5 %, 2 %, 4 %
- Release amount of the ready-to-use diluted solution, selectable between 1 and 50 litres. The dosing process can be always interrupted by pressing the operator button.
- Calibrate dosing without opening the device
- Positive dosing error: max. + 6.5 %
- Sensor-monitorization of the entire dosing process
- Automatic shut-off in case of lack of concentrate or water respectively or due to concentrate flow interruption

### APPLICATION INSTRUCTIONS

At the touch of a button, Melseptomat® G produces an accurate dosage of ready-to-use disinfection or cleaning solution made of concentrate and tap water. Moreover, the dosing process is monitored by sensors. Applicable in all areas of hospitals, food processing or industry where precise dosing is required.

### UNIT OF SALE

Melseptomat® G, Decentralized automatic dosing unit,  
Calibration set for Melseptomat® G

PRODUCT SIZE	REF
Decentralised dosing device	3908420

### TECHNICAL SPECIFICATIONS

Release amount	max. 400 l / hour
Amount pre-selection	1 – 50 l
Minimum release amount	1 litre
Dosage pre-selection	0.25 – 0.5 – 1 – 1.5 – 2 – 4 %
Positive dosing error	max. + 6.5 %
Water connection	1/2" outside threading
Water inlet pressure	0.5 bar – 6 bar
Power supply	through the power-cube transformer Primary voltage: 90-264V, ~50-60 Hz; Secondary voltage: 24 VDC; 1A
Power	max. 24 VA
Dimensions (Width x Height x Depth)	375 mm x 370 mm x 150 mm
Suction lance	with connection to a 5-litre can with VS DIN 50 threads
Outlet hose	max. length 1 metre



Compliant with RKI guideline<sup>1</sup>

<sup>1</sup>"Anforderungen an Gestaltung, Eigenschaften und Betrieb von dezentralen Desinfektionsmittel-Dosiergeräten." Richtlinie der Bundesanstalt für Materialforschung und -prüfung, des Robert Koch-Institutes und der Kommission für Krankenhaushygiene und Infektionsprävention. Bundesgesundheitsbl – Gesundheitsforsch – Gesundheitsschutz 2004 · 47:67–72.

# AUTOMATED REPROCESSING

Modern washer disinfectors must conform to EN ISO 15883 standards. As opposed to manual reprocessing, automated reprocessing must be validated.

If the process is near or even beyond the process safety limit, high-value surgical instruments are at risk of being damaged and patient safety is endangered by inadequately cleaned instruments.

To handle such complex technologies, to preserve material properties and to optimize your automated cleaning process to safeguard patients B. Braun is a reliable partner, as B. Braun has core competence/know-how in all the following relevant segments:

- Instrument manufacturing, research and development
- Instrument reprocessing (from simple manual preparation to CSSD management)
- Research, development, manufacturing and application of disinfectant and cleansing products for manual and automated reprocessing
- Infection control consulting, process optimization and process validation
- Further training (specialist courses for sterilization assistants)

## OVERVIEW

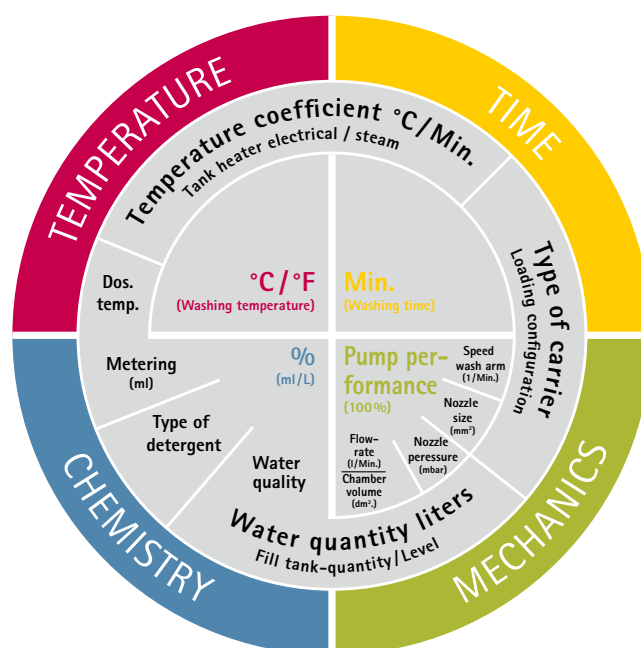
	For heat resistant re-usable medical devices	For heat resistant re-usable medical devices	For heat sensitive re-usable medical devices such as flexible endoscopes
Process	Alkaline	Neutral/enzymatic	Neutral/enzymatic
pH value	pH > 10	pH = 7	pH = 7
Cleaning	Helimatic® Cleaner alkaline Helimatic® Cleaner MA	Helimatic® Cleaner neutral Helimatic® Cleaner enzymatic	Helimatic® Cleaner enzymatic
Neutralising	Helimatic® Neutralizer C	Helimatic® Neutralizer C	
Disinfection	Thermal	Thermal	Chemo-thermal Helimatic® Disinfectant
Final rinse	Helimatic® Rinse neutral	Helimatic® Rinse neutral	
Anaesthesia equipment	✓	✓	
Flexible endoscopes			✓
Rigid endoscopes	✓	✓	
Micro-surgical instruments	✓	✓	
Minimally invasive surgical instruments	✓	✓	
Surgical instruments	✓	✓	
Operating theatre shoes		✓	
Laboratory glassware	✓		
Beds, containers		✓	
Infant feeding bottles	✓		

# THE 5 ELEMENTS TO SUCCESS

## The Sinner's circle of automated reprocessing

The Sinner's circle describes the interaction of all influencing parameters in any cleaning process. Originally the Sinner's circle was defined by the four elements chemistry, mechanics, temperature and time. Today a fifth element is considered important – the water.

These five parameters determine the success of the cleaning processes. The parameters are dependent from each other and have to be perfectly harmonized in their sum to create a sustainable and stable cleaning process.



### CLEANING TIME

Is defined as the parameter which controls the duration of the cleaning process. The longer the time the more contamination is going to be removed.

### TEMPERATURE

The temperature influences the activity of cleaner. Here it has to be taken into account that cleaner often contain enzymes and tensides. Enzymes often have their highest activity level between 45 and 55 °C. Over 60 °C this activity may decrease significantly. Tensides have the tendency to build up foam which may stop the machine immediately. To avoid foam formation the cleaner should always be dosed at temperatures of about 30 to 35 °C.

### CHEMISTRY

The chemistry is defined by the composition. There is a wide range of substances available. The most popular cleaners are made of mix of tensides and enzymes (mostly proteases). The pH is lightly alkaline between 9.5 and 10.5. But also acidic, neutral and highly alkaline cleaners are on market. Praxis has shown that mildly alkaline cleaners show the best cleaning

performance in combination with the most gentle material compatibility.

### MECHANICS

The mechanical action is the most important parameter of all. The success of the cleaning process is mostly influenced by the water pressure, the flow rate, the movement of the washer wings and the room configuration e.g. the loading. As a result the mechanic has to be defined as the leading factor to be harmonized with the other four parameters.

### WATER

In older definitions of the Sinner's circle the water has not been taken into account. But latest research shows that water has a huge impact on the cleaning process. The water quality influences the activity of the chemistry. The harder the water – defined in mmol/litre – the more chemistry has to be dosed into the cleaning process. The water also defines the conductivity. A lower conductivity at the end of the cleaning process means less water stains and silicate residues on the surface of the instruments.

# ALKALINE CLEANER

Helimatic® Cleaner alkaline ...for automatic reprocessing of re-usable medical devices

## PROPERTIES

- Helimatic® Cleaner alkaline is a powerful alkaline liquid cleaner for alkaline resistant surgical instruments and stainless-steel equipment, anesthesia accessories, baby's bottles, synthetic containers, rigid endoscopes, MIS instruments, laboratory glassware and surgical shoes
- Contains a special surfactant system to face the new challenges of hygienic safety
- Offers an optimised cleaning of proteins, lipids, body fluids and other organic compounds
- Can also be used in difficult instrument treatment situations
- Phosphate-free
- Silicate-free
- Contains corrosion inhibitors
- Low-foaming even in cases of high organic loading

## DOSAGE AND INSTRUCTIONS FOR USE

Helimatic® Cleaner alkaline is used in a concentration between 0.3% and 0.8%. The use and dosage of Helimatic® Cleaner alkaline must be determined by the user to suit the individual reprocessing requirements in the CSSD. The program and the dosing in an automated washer and disinfectant must be adjusted carefully and controlled regarding material compatibility as well as biocompatibility before the process can be released for routine reprocessing of instruments. Helimatic® Neutralizer C is suitable for neutralization of alkaline residues.

PRODUCT SIZE	REF
5 l canister	18731
200 l barrel	18774
600 l container	18796

### Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

### Concentrate

ca. 12.8  
ca. 1.09  
clear, pale yellow

### Ready-to-use solution

ca. 11



pH >10, surfactants

### Helimatic® Cleaner alkaline – Composition:

contains 5 - 15% complexing agents, < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% polycarboxylates, corrosion inhibitors, excipients in alkaline formulation. Ingredients in accordance with the Regulations for Detergents EG 648/2004 < 5% anionic surfactants, < 5% non-ionic surfactants, 5% NTA, <5% phosphonate < 5% polycarboxylates | Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

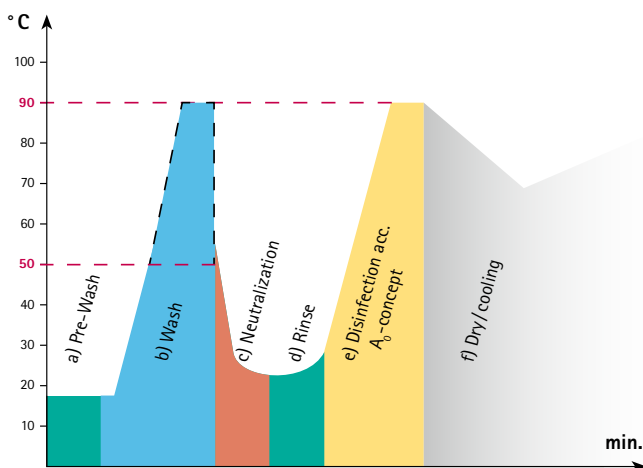


#### EXAMPLE FOR AN AUTOMATED CYCLE:

Before starting the automated reprocessing cleaning agents and disinfectants from the manual pre-treatment must first be rinsed completely from the instruments and equipment. This program proposal may vary depending on the situation in practice!

**Not suitable for aluminum!**

#### PROGRAM STANDARD-INSTRUMENTS



#### Remark

This is only an example and the process time depends on the machine type.

#### a) Pre-Wash

Drain tank completely  
Fill tank with cold water without any additives  
5 min. pumping time with max. pump performance  
Drain tank

#### b) Wash

Fill tank with cold water without any additives  
(preferably fully deionized water)  
Add Helimatic® Cleaner alkaline 0.3 – 0.8%  
(3 – 8 ml/l)  
Heat up to 50 – 90 °C  
10 min. pumping time with max. pump performance  
Drain tank

#### c) Neutralization

Fill tank with cold water without any additives  
(preferably fully deionized water)  
Add Helimatic® Neutralizer C 0.05 – 0.3%  
(0.5 – 3 ml/l)  
1 min. pumping time with max. pump performance  
Drain tank

#### d) Rinse

Fill tank with cold water without any additives (preferably fully deionized water)  
1 min. pumping time with max. pump performance  
Drain tank

#### e) Disinfection acc. A0-concept

Fill tank with fully deionized water  
Heat up and pumping time with max. pump performance after A0-concept  
(e.g. ≥ 90 °C – 5 min.)  
Drain tank

#### f) Dry/cooling

Time and temperature as specified by the manufacturer



# MILD ALKALINE CLEANER

**Helimatic® Cleaner MA** ...for automatic reprocessing of re-usable medical devices, gentle to sensitive materials as e.g. anodized aluminum

## PROPERTIES

- Helimatic® Cleaner MA is a powerful mild alkaline liquid cleaner for surgical instruments and stainless-steel equipment, anesthesia accessories, baby's bottles, synthetic containers, flexible and rigid endoscopes, MIS instruments, laboratory glassware and surgical shoes
- Supports the removal of biofilm and contains a special surfactant system to remove dried and denatured blood residues
- Faces the new challenges of hygienic safety while being gentle to the sensitives instruments and equipment
- Offers an optimised cleaning of proteins, lipids, body fluids and other organic compounds and inhibits the redeposition
- Can also be used in difficult instrument treatment situations
- Phosphate- and Silicate-free
- Contains corrosion inhibitors
- Low-foaming even in cases of high organic loading
- Suitable for all established washer and disinfectors

## DOSAGE AND INSTRUCTIONS FOR USE

Helimatic® Cleaner MA is used in a concentration between 0.2% and 1.0%. The use and dosage of Helimatic® Cleaner MA must be determined by the user to suit the individual reprocessing requirements in the CSSD. The program and the dosing in an automated washer and disinfectant must be adjusted carefully and controlled regarding material compatibility as well as biocompatibility before the process can be released for routine reprocessing of instruments. Helimatic® Cleaner MA can be used without or with neutralizing agent (Helimatic® Neutralizer C).

## ESTABLISHED STANDARD

Helimatic Cleaner MA was rated as a highly excellent cleaner with outstanding gentle material properties see PhD thesis<sup>1)</sup>.

PRODUCT SIZE	REF
5 l canister	19678
10 l canister	19679
220 kg barrel	19680
600 kg container	19681

### Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

### Concentrate

ca. 10.5  
ca. 1.09  
clear, clear brownish

### Ready-to-use solution

ca. 10



**Innovative combination of  
enzymes and surfactants**

### Helimatic® Cleaner alkaline – Composition:

< 5% anionic surfactants, < 5% non-ionic surfactants, < 5% polycarboxylates, < 5% phosphonates, corrosion inhibitors, enzymes, excipients in alkaline formulation. Ingredients in accordance with the Regulations for Detergents EG 648/2004 | < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% phosphonate < 5% polycarboxylates | Labelling of dangerous goods: see material safety data sheet (MSDS). Caution: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

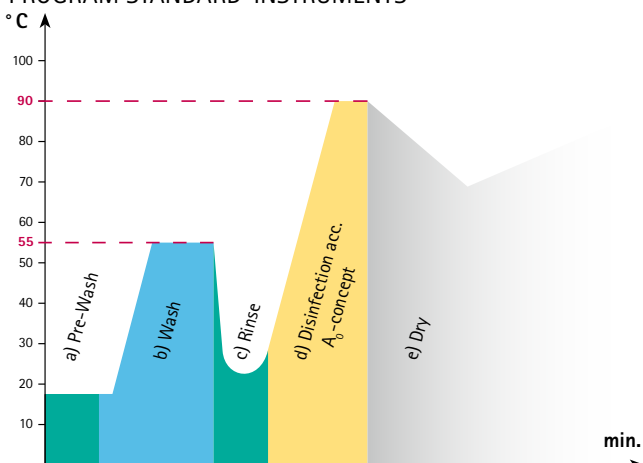
1) Dr. Gerhard Kirmse – Einflussfaktoren auf die maschinelle Reinigung von Standardinstrumenten; 2015 – ISBN 9783863761370

## EXAMPLE FOR AN AUTOMATED CYCLE:

Before starting the automated reprocessing cleaning agents and disinfectants from the manual pre-treatment must first be rinsed completely from the instruments and equipment. This program proposal may vary depending on the situation in practice!

**Remark:** This is only an example and the process time depends on the machine type.

### PROGRAM STANDARD-INSTRUMENTS



#### a) Pre-Wash

Drain tank completely  
Fill tank with cold water without any additives  
5 min. pumping time with max. pump performance  
Drain tank

#### b) Wash

Fill tank with cold water without any additives  
(preferably fully deionized water)  
Heat up to 35 °C  
Add Helimatic® Cleaner MA 0.2 – 1% (2 – 10 ml/l)  
Heat up to 50 – 60 °C  
10 min. pumping time with max. pump performance  
Drain tank

#### c) Rinse

Fill tank with cold water without any additives  
(preferably fully deionized water)  
1 min. pumping time with max. pump performance  
Drain tank

#### d) Disinfection acc. A0-concept

Fill tank with fully deionized water  
Heat up and pumping time with max. pump performance after  
A0-concept (e.g. ≥ 90 °C – 5 min.)  
Drain tank

#### e) Dry/cooling

Time and temperature as specified by the manufacturer

### PROGRAMM FOR FLEXIBLE ENDOSCOPES



#### a) Pre-Wash

Drain tank completely  
Fill tank with cold water without any additives  
3 min. pumping time with max. pump performance  
Drain tank

#### b) Wash

Fill tank with cold or cold/warm water (< 50 °C) without any additives  
Heat up to 35 °C  
Add Helimatic Cleaner MA 0.5% (5 ml/l)  
Heat up to 50 °C  
7 min. pumping time with max. pump performance  
Drain tank

#### c) Rinse I

Fill tank with cold or cold/warm water (< 50 °C) without any additives.  
1 min. pumping time with max. pump performance. Drain tank

#### d) Chemo/thermal disinfection

Fill tank with cold or cold/warm water (< 50 °C) without any additives.  
Add Helimatic Disinfectant  
1% (10 ml/l) Heat up to 55 °C – 60 °C. 5 min. pumping time with max.  
pump performance.  
Drain tank

#### e) Rinse II

Fill tank with fully deionized water (without any microbiological contamination-  
tions to avoid recontamination).  
1 min. pumping time with max. pump performance.  
Drain tank

#### f) Rinse III

Fill tank with fully deionized water (without any microbiological contamination-  
tions to avoid recontamination).  
1 min. pumping time with max. pump performance. Heat up to 50 – 55 °C.  
Drain tank

#### g) Dry / cooling

Time and temperature as specified by the manufacturer

# pH-NEUTRAL CLEANER

**Helimatic® Cleaner neutral** ...for automated reprocessing of reusable medical devices

## PROPERTIES

- For automated reprocessing of heat sensitive and heat resistant medical devices, surgical instruments, flexible endoscopes, instrument containers, anaesthesia equipment and nursing trolleys
- Possesses excellent cleaning capabilities, particularly against blood and protein contaminations including inaccessible places, such as found in MIS-instruments
- Incorporates a foam-free mode of action at all ranges of temperature, as well as under cold water, high turbulences and protein loading conditions
- Solvent free, enzyme free, non-flammable, non-irritant and therefore extremely safe to handle
- Possesses a broad material compatibility including heat sensitive materials e.g.: latex, rubber, silicon, plastic, glass, metals and coloured anodized aluminium

## DOSAGE AND INSTRUCTIONS FOR USE

For automated reprocessing in a washer and disinfectant, Helimatic® Cleaner neutral is used in a concentration between 0.1 and 0.5 %.

An additional step of neutralisation is not necessary. The adjustment of the concentration takes place via dosage pumps (see manufacturer's instructions).

A final rinse with deionized water prevents stains on metallic surfaces.

### Cleaning of nursing trolleys:

Helimatic® Cleaner neutral can be used in combination with the pH-neutral clear rinse, Helimatic Rinse neutral.

PRODUCT SIZE	REF
5 l canister	18519
200 l barrel	18521
600 l container	18797

### Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

### Concentrate

ca. 6  
ca. 1.08  
clear, liquid

### Ready-to-use solution

ca. 7



**Ternary surfactant system,  
patented**

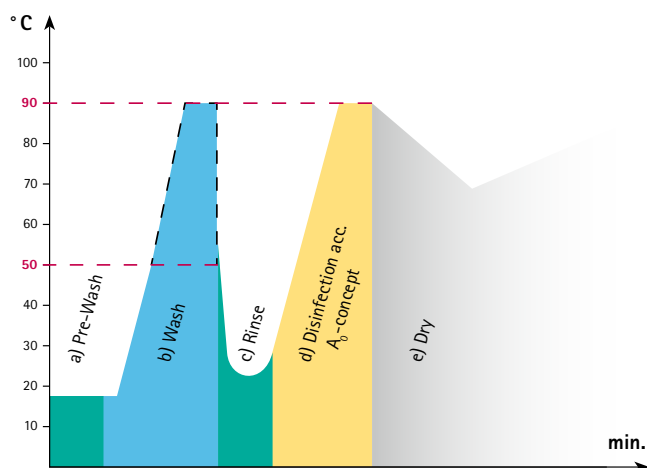
### Helimatic® Cleaner neutral – Composition:

Surfactants, complexing agents, corrosion inhibitors, preservatives, perfume, expiants | Ingredients in accordance with the Regulations for Detergents EG 648/2004 <5% anionic surfactants, <5% nonionic surfactants, 5% NTA, <5% phosphonate, <5% polycarboxylate, glutaral, perfume | Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

### EXAMPLE FOR AN AUTOMATED CYCLE:

Before starting the automated reprocessing cleaning agents and disinfectants from the manual pre-treatment must first be rinsed completely from the instruments and equipment. This program proposal may vary depending on the situation in practice!

### PROGRAM STANDARD-INSTRUMENTS



### Remark

This is only an example and the process time depends on the machine type.

#### a) Pre-Wash

Drain tank completely  
Fill tank with cold water without any additives  
5 min. pumping time with max. pump performance  
Drain tank

#### b) Wash

Fill tank with cold water without any additives (preferably fully deionized water)  
Add Helimatic® Cleaner neutral 0.1 – 0.5% (1 – 5 ml/l)  
Heat up to 50 – 90 °C  
10 min. pumping time with max. pump performance  
Drain tank

#### c) Rinse

Fill tank with cold water without any additives (preferably fully deionized water)  
1 min. pumping time with max. pump performance  
Drain tank

#### d) Disinfection acc. A0-concept

Fill tank with fully deionized water  
Heat up and pumping time with max. pump performance after A0-concept (e.g. ≥ 90 °C – 5 min.)  
Drain tank

#### e) Dry/cooling

Time and temperature as specified by the manufacturer

# ENZYMATIC CLEANER

**Helimatic® Cleaner enzymatic** ...for automated reprocessing of reusable medical devices and flexible endoscopes

## PROPERTIES

- For automated cleaning of flexible endoscopes and heat sensitive medical devices
- For automatic reprocessing of instruments and anaesthesia equipment
- Supports the removal of biofilm
- Easily removes dried on blood and secretions
- Highly effective with excellent material compatibility
- Uses a particularly efficient and innovative combination of ingredients to optimise cleaning performance
- Has an outstanding cleaning performance, particularly where blood and protein contaminants are concerned, including inaccessible areas
- Incorporates a foam free mode of action at all ranges of temperature, as well as under cold water, high turbulences and protein loading conditions
- Has a high level of material compatibility especially with plastics and metallic surfaces

## DOSAGE AND INSTRUCTIONS FOR USE

The cleaning step plays a key role in thermo chemical processing. The success of the processing depends on thorough cleaning in order that the flexible endoscope is free of secretion- and protein-residuals. This prevents the incrustation of any remaining contamination during the subsequent disinfecting stage and drying phase.

Helimatic® Cleaner enzymatic was developed to meet these requirements. This high-performance product has a neutral pH value and ensures that the best possible cleaning result is achieved, and yet it is particularly suited to the preparation of delicate instruments.

Helimatic® Cleaner enzymatic demonstrates excellent cleaning power which is normally achieved by alkaline formulations only.

PRODUCT SIZE	REF
5 l canister	18558
200 l barrel	18560
600 l container	18740

### Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

### Concentrate

6  
ca 1.07  
clear, liquid

### Ready-to-use solution

pH-neutral  
ca. 1.0



Highly active enzyme complex

### Helimatic® Cleaner enzymatic – Composition:

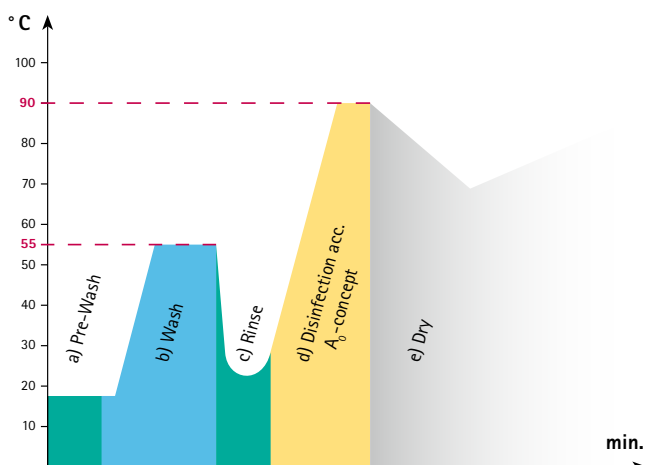
< 5% anionic surfactants, < 5% non-ionic surfactants, enzymes, salts of organic acids, solvents, dispersion agent, corrosion inhibitors, preservatives, excipients. Ingredients in accordance with the Regulations for Detergents EG 648/2004 < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% polycarboxylate, methylparabene, enzymes Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

## EXAMPLE FOR AN AUTOMATED CYCLE:

Before starting the automated reprocessing cleaning agents and disinfectants from the manual pre-treatment must first be rinsed completely from the instruments and equipment. This program proposal may vary depending on the situation in practice!

**Remark:** This is only an example and the process time depends on the machine type.

### PROGRAM STANDARD-INSTRUMENTS



#### a) Pre-Wash

Drain tank completely  
Fill tank with cold water without any additives  
5 min. pumping time with max. pump performance  
Drain tank

#### b) Wash

Fill tank with cold water without any additives (preferably fully deionized water)  
Add Helimatic® Cleaner enzymatic 0.1 – 0.5% (1 – 5 ml/l).  
Heat up to 50 – 60 °C  
10 min. pumping time with max. pump performance  
Drain tank

#### c) Rinse

Fill tank with cold water without any additives (preferably fully deionized water)  
1 min. pumping time with max. pump performance  
Drain tank

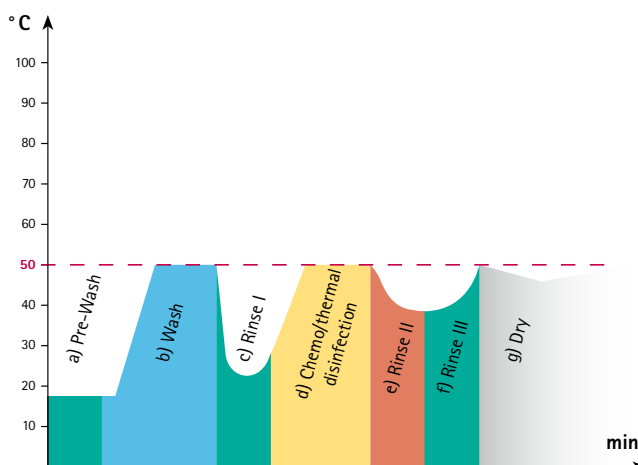
#### d) Disinfection acc. A<sub>0</sub>-concept

Fill tank with fully deionized water with max. pump performance  
Heat up and pumping time with max. pump performance after A<sub>0</sub>-concept (e.g. ≥ 90 °C – 5 min.)  
Drain tank

#### e) Dry/cooling

Time and temperature as specified by the manufacturer

### PROGRAMM FOR FLEXIBLE ENDOSCOPES



#### a) Pre-Wash

Drain tank completely  
Fill tank with cold water without any additives  
3 min. pumping time with max. pump performance  
Drain tank

#### b) Wash

Fill tank with cold or cold/warm water (< 50 °C) without any additives  
Add Helimatic Cleaner enzymatic 0.5% (5 ml/l)  
Heat up to 50 °C  
7 min. pumping time with max. pump performance  
Drain tank

#### c) Rinse I

Fill tank with cold or cold/warm water (< 50 °C) without any additives.  
1 min. pumping time with max. pump performance.  
Drain tank

#### d) Chemo/thermal disinfection

Fill tank with cold or cold/warm water (< 50 °C) without any additives.  
Add Helimatic Disinfectant  
1% (10 ml/l) Heat up to 55 °C – 60 °C. 5 min. pumping time with max. pump performance.  
Drain tank

#### e) Rinse II

Fill tank with fully deionized water (without any microbiological contaminations to avoid recontamination).  
1 min. pumping time with max. pump performance.  
Drain tank

#### f) Rinse III

Fill tank with fully deionized water (without any microbiological contaminations to avoid recontamination).  
1 min. pumping time with max. pump performance. Heat up to 50 – 55 °C.  
Drain tank

#### g) Dry / cooling

Time and temperature as specified by the manufacturer

# NEUTRALISER

**Helimatic® Neutralizer C** ...for automated reprocessing of reusable medical devices, contains

## PROPERTIES

- Helimatic® Neutralizer C is a liquid neutraliser containing pharmaceutical grade citric acid
- It is above all used for the neutralisation of alkaline residues during automatic reprocessing of instruments
- Free of surfactants
- Good material compatibility

## DOSAGE AND INSTRUCTIONS FOR USE

Helimatic® Neutralizer C is a liquid neutraliser containing citric acid which is used for the neutralisation of alkaline residues during machine processing of instruments. It is used in a concentration between 0.05 % and 0.3 %.

The use and dosage of Helimatic® Neutralizer C must be determined by the user to suit the individual reprocessing requirements in the CSSD. The program and the dosing in an automated washer and disinfectant must be adjusted carefully and controlled regarding material compatibility as well as biocompatibility before the process can be released for routine reprocessing of instruments.

Even in a process using a pH-neutral cleaner, it may be advisable to add an acidic neutralizer to the first intermediate rinse in order to prevent deposits (e.g. in cases where the water used has a high salt content)

Acidic neutralizer carried over into the final rinse in a washer in disinfectant followed by autoclaving may cause grey to black discolouration of surgical instruments made of stainless steel.

PRODUCT SIZE	REF
5 l canister	18732
200 l barrel	18772
600 l container	18798

## Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

## Concentrate

ca. 2.5  
ca 1.12  
clear, liquid



Free of phosphates and surfactants

## Helimatic® Neutralizer C – Composition:

15 – 30% Citric acid, Ingredients in accordance with the Regulations for Detergents EG 648/2004 n.a. Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

# RINSING AND DRYING AID

**Helimatic® Rinse neutral** ...fast and stain free drying for automated reprocessing of reusable medical devices

## PROPERTIES

- Fast and stain free drying of surgical instruments, bed frames, nursing trollies and containers
- It is used for the final rinse and ensures a stain free drying of metallic and sealed surfaces
- Contributes to a stain free rinse and an optimal drying result
- Due to its foam-free characteristic, it is suitable in sectors with high turbulences
- Non-corrosive and pH-neutral
- Possesses a broad material compatibility including heat sensitive materials e.g.: latex, rubber, silicon, plastic, glass, metals and coloured anodized aluminium

## DOSAGE AND INSTRUCTIONS FOR USE

For automated reprocessing in a washer and disinfectant Helimatic® Rinse neutral is used in the final rinse at a concentration of 0.05 – 0.2 %.

The adjustment of the concentration takes place via dosage pumps (see manufacturer's instructions).

In urgent cases, where a quick availability of the treated instruments or the equipment is necessary, a process temperature of at least 80 °C is recommended.

## CAUTION

Do not use Helimatic® Rinse neutral in an automated washer/disinfectant dedicated for the chemo-thermal reprocessing of flexible endoscopes.

PRODUCT SIZE	REF
5 l canister	18568
200 l barrel	18773

### Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

### Concentrate

ca. 7  
ca. 1.01  
clear, liquid

### Ready-to-use solution

ca. 7



Low cytotoxicity

### Helimatic® Rinse neutral – Composition:

non-ionic surfactants, alcohols, excipients. Ingredients in accordance with the Regulations for Detergents EG 648/2004 <5% nonionic surfactants | Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.



# DISINFECTANT

**Helimatic® Disinfectant** ...for automatic reprocessing of flexible endoscopes & medical devices

## PROPERTIES

- For automated disinfection of flexible endoscopes and heat sensitive medical devices
- Broad efficacy spectrum
- Effective and economic
- Has a high level of material compatibility especially with plastics and metallic surfaces

## MICROBIOLOGICAL EFFICACY

Microbiocidal efficacy under clean conditions

Test organism / Virus	Conc.	Time	Temp.
Bactericidal (EN 13727, EN 14563, E. faecium)	1.0 %	5 min.	55 °C
Fungicidal (EN 13624, EN 14562)	1.0 %	5 min.	55 °C
Mycobactericidal (EN 14348, EN 14563)	1.0 %	5 min.	55 °C
Virucidal (EN 14476, 17111)	1.0 %	5 min.	55 °C

Expert reports are available on demand.

Reprocessing program proposal for flexible endoscopes: see page 25.

PRODUCT SIZE	REF
5 l canister	18562

## Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g/cm³):  
Appearance

## Concentrate

6  
ca 1.07  
clear, liquid

## Ready-to-use solution

pH-neutral  
ca. 1.0

## DOSAGE AND INSTRUCTIONS FOR USE

The cleaning step plays a key role in thermo chemical processing. The success of the processing depends on thorough cleaning in order that the flexible endoscope is free of secretion- and protein-residuals. This prevents the incrustation of any remaining contamination during the subsequent disinfecting stage and drying phase.

## REPROCESSING OF FLEXIBLE ENDOSCOPES

- Wear gloves and personal protective equipment, follow the reprocessing recommendations of the endoscope manufacturer
- Pre cleaning in the examination room: immediately after the examination (Helizyme, enzymatic cleaner)
- Manual cleaning in the reprocessing room: clean the channels and other parts of the endoscope with special cleaning brushes (Helizyme, enzymatic cleaner).
- Rinsing: Rinse with water
- Machine reprocessing in a washer-disinfector for flexible endoscopes.
- Allow to dry completely.
- Low temperature sterilization: if available and required
- Store in a cabinet recommended by the endoscope manufacturer.



Highly effective

## Helimatic® Disinfectant– Composition:

100 g solution contains 20 g glutaral, solvents, salts of organic acids, corrosion inhibitors, excipients. Ingredients in accordance with the Regulations for Detergents EG 648/2004, < 5% phosphonate | Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date. Keep away from children.

# AUTOMATIC CLEANER & RINSE FOR BED PAN WASHERS

Helimatic® Latriniser ...shiny and clean bedpans

## PROPERTIES

- For automatic bed pan washer disinfectors with thermal disinfection of bed pans, urinals
- Stain free drying with shiny surfaces
- Prevents limescale in steam generators, pipework and nozzles even with very hard water
- For optimised, spot-free drying
- Suitable for acid-resistant bedpan washer disinfectors.
- High level material tolerance towards special steel, aluminium, plastics and glass

## DOSAGE AND INSTRUCTIONS FOR USE

Helimatic® Latriniser is used at a concentration of  
3 – 5 ml / l with a water hardness of < 15 °dH (< 27 °f)  
5 – 10 ml / l

with a water hardness of > 15 °dH (> 27 °f)

Special combination based on organic acids and surfactants.

PRODUCT SIZE	REF
5 l canister	18823, 18824
200 l barrel	18944

## Physico-Chemical Data

pH-value (20 °C):  
Density (20 °C, g / cm³):  
Appearance

## Concentrate

ca. 1.8  
ca. 1.07  
clear, liquid

## Ready-to-use solution

ca. 3–5  
ca. 1.04



Effective and economic

## Helimatic® Latriniser– Composition:

nonionic surfactants, organic acids, solubilizer, preservatives, excipients | Ingredients in accordance with the Regulations for Detergents EG 648/2004 | 5 – 15% nonionic surfactants, preservatives, phenoxyethanol  
Labelling of dangerous goods: see material safety data sheet (MSDS). Cautions: Use disinfectants safely. Always read the label and the product information before use. Do not use the product after the expiry date.  
Keep away from children.

# REFILLING SYSTEM FOR AUTOMATIC WASHER-DISINFECTORS

**Heli-Dos®** ...tested and delivered ready for connections and ready to mount

## PROPERTIES

- Automatic refilling of upstream containers to deliver continuously process media from 600 litres bulk containers or 200 litres barrels to automated washer disinfectors
- Waste, time and cost saving compared to the use of conventional 5 or 10 litres canisters
- Easy to operate – essential for routine tasks!
- Economical
- High level of reliability
- Suitable for Helimatic® reprocessing agents
- Not suitable for processing agents:
  - that are highly flammable
  - based on peracetic acid or hydrogen peroxide

## DOSAGE AND INSTRUCTIONS FOR USE

Automatic operation.

One-man operation; all the sensor and actuator states can be read off both the upstream container and the output unit.

Delivers until the pump draws in air. No need for the time consuming task of emptying residual amounts from incompletely emptied barrels.

## DELIVERY AND ASSEMBLY

As per offer.

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## PRODUCT SIZE

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### **Heli-Dos® refilling system**

Output unit, incl. power supply unit. Upstream container.  
Media line, flexible (PE) in protected hose incl. clamping.  
Electrical control line, three-core.

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For continuous media supply

### **Heli-Dos® Safety requirements:**

IEC 61010-1(2001) (2nd edition); EN 61010 (2001) (2nd edition)  
EMC: EN 61326:1997 + A1:1998 + A2:2001 + A3:2003  
EU-Directives: 2006/95/EC + 2004/108/EC + 2002/95/EC + 2002/96/EC

# DOSING TABLE

		CONCENTRATION OF THE READY-TO-USE SOLUTION								
		0.25 %	0.5 %	1 %	1.5 %	2 %	2.5 %	3 %	4 %	5 %
AMOUNT OF THE READY-TO-USE SOLUTION	1 litre	2.5 ml	5 ml	10 ml	15 ml	20 ml	25 ml	30 ml	40 ml	50 ml
	2 litres	5 ml	10 ml	20 ml	30 ml	40 ml	50 ml	60 ml	80 ml	100 ml
	3 litres	7.5 ml	15 ml	30 ml	45 ml	60 ml	75 ml	90 ml	120 ml	150 ml
	4 litres	10 ml	20 ml	40 ml	60 ml	80 ml	100 ml	120 ml	160 ml	200 ml
	5 litres	12.5 ml	25 ml	50 ml	75 ml	100 ml	125 ml	150 ml	200 ml	250 ml
	6 litres	15 ml	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	240 ml	300 ml
	7 litres	17.5 ml	35 ml	70 ml	105 ml	140 ml	175 ml	210 ml	280 ml	350 ml
	8 litres	20 ml	40 ml	80 ml	120 ml	160 ml	200 ml	240 ml	320 ml	400 ml
	9 litres	22.5 ml	45 ml	90 ml	135 ml	180 ml	225 ml	270 ml	360 ml	450 ml
	10 litres	25 ml	50 ml	100 ml	150 ml	200 ml	250 ml	300 ml	400 ml	500 ml
		Concentrate amount necessary for the ready-to-use solution								



# B. BRAUN DISINFECTANTS – OVERVIEW

PRODUCT								SPECTRUM				
	Instrument Cleaning	Instrument Disinfection	Disinfection of Hemodialysis Equipment	Bedpan Machine Cleansing	For Metal, Glass, Ceramic	For Thermolabile Instruments	For Flexible Endoscopes	Bacteria incl. multi drug resistant MO's (MRSA, VRE, ESBL)	Yeasts (levurocidal)	Fungi	Specific Fungi (Trichophyton mentagrophytes)	Tuberculosis Bacteria
Helizyme	•				•	•	•					
Stabimed® fresh	•	•			•	•	•	•	•			•
Stabimed® ultra		•			•	•	•	•	•	•		•
Helipur® H plus N		•			•	•	•	•	•			•
Helipur®	•	•			•			•	•	•		•
Helimatic® Cleaner alkaline	•			•	•	•						
Helimatic® Cleaner MA	•			•	•	•	•					
Helimatic® Cleaner neutral	•				•	•						
Helimatic® Cleaner enzymatic	•				•	•	•					
Helimatic® Neutralizer C	•				•							
Helimatic® Disinfectant		•			•	•	•	•	•	•		•
Helimatic® Rinse neutral	•				•							
Helimatic® Latriniser				•	•							

1) According to RKI recommendations, Federal Health Gazette 01-2004

2) VAH: Association for Applied Hygiene

				DISINFECTING AGENT							APPLICATION				
Mycobacteria	Enveloped Viruses (incl. HBV, HCV, HIV) <sup>1)</sup>	Enveloped and non-enveloped viruses	Spores	Alcohol	Aldehyde	Formaldehyde-free	Phenol Derivative	Alkylamine	Peracetic acid	Active Chloride	pH of Ready-to-Use Solution	Concentrate for Dilution	Concentration for Use Disinfectant: VAH <sup>2)</sup>	Contact Time (VAH <sup>2)</sup> )	Outbreak Management
						•					7	•	1.0%	5 min.	
	•					•		•			9	•	0.5% 1.0%	15 min. 5 min.	
•	•	•	•			•			•		7.5	•	2.0%	15 min.	
•	•	•	•	•	•	•					5	•	1.0% 1.5%	30 min. 15 min.	
•	•					•	•				9.5	•	1.5% 3.0%	1 hr. 5 min.	6% 2–6hrs.
						•					11.5	•	0.3 – 0.8%		
						•					10	•	0.2 – 1.0%		
						•					7	•	0.1 – 0.5%		
						•					7	•	0.5%	max. 60 °C	
						•					3	•	0,05 – 0,3 %		
	•	•			•	•					7	•	1.0%	5 Min. 55 °C	
						•					7	•	0.05 – 0.2 %		
						•					3	•	0.3 – 1 %	1 Min. 83 °C	

# ACCESSORIES

## Spanner for 5 and 10 l canisters

- Made of plastic

PRODUCT SIZE	REF
5 l & 10 l standard and marwin canisters	3908444



## Instrumenten Tray

- Practical support for instrument disinfection
- With transparent lid
- Temperature stable up to 50 °C

PRODUCT SIZE	REF
Volume 2 l 325 x 176 x 150 mm	3908259
Volume 10 l 530 x 325 x 150 mm	3908267





## Hand Pump

- For dosing out of 5 l canister
- Dosage approx. 15 ml or 20 ml
- Single packaging
- No measuring device

PRODUCT SIZE	REF
15 ml dose for 5 l canister	3908478
20 ml dose for 5 l canister	3908479



## Measuring Cap & Suction Tube Doser

- Measuring cap for 15 ml to 50 ml
- Packs of 5 pieces made of PP
- No measuring device
- Suction tube doser for 1000 ml bottle
- Single packed made of PP/HDPE
- No measure device

PRODUCT SIZE	REF
Measuring cap for 10 – 50 ml	3908046
Suction tube doser for 5 – 20 ml	3908422



## Discharge Stopcock

- For convenient and economical refilling of 5 l canister

PRODUCT SIZE	REF
Discharge stopcock for 5 l canister	3908477



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