Sterile filters
for infection prevention
small - compact - effective



Medical sterile filters – a protective barrier

Effective protection of hospital patients is becoming more and more important in light of the increase in multi-resistant germs. Medical sterile filters serve to prevent infections and reduce the risk of nosocomial infections in particular.

The number of nosocomial infections caused by resistant Gram-negative germs has risen sharply in recent years. Medical sterile filters using the latest technologies are highly beneficial both in the acute control of outbreaks and in the prevention of nosocomial infections.

Sterile filters form a barrier between the patient and germ-contaminated drinking water, thus inhibiting any and all of the germs associated with water. The evidence regarding terminal sterile filters has been extensively documented by numerous scientists in recent years.[1]

Numerous years of experience in the field of life science filtration combined with the use of functional product materials make it possible for i3 Membrane, as a certified medical technology company, to make farreaching contributions in the fight against infections.

The i3 sterile filters form a sustainable barrier against germs associated with water and interrupt the contamination pathways of resistant germs.

i3 Membrane – Your companion in infection prevention

[1]See: i3 Membrane GmbH „Bedeutung von Wasser und gramnegativen Keimen in der Hygiene“



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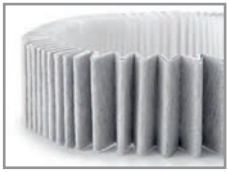
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i3 ONE

i3 ONE sterile filter







The i3 ONE point-of-use sterile filter is used in medical settings to prevent infections caused by bacteria such as *Legionella pneumophila*, *Pseudomonas aeruginosa* and mycobacteria. It is used on the water faucet for the sterile filtration of tap water. The water filter protects patients receiving medical treatment, for example in oncological, transplant and intensive care wards, and also neonates, from infections caused by waterborne pathogens.

PROPERTIES

CE-marked Class I
medical device

Microbial retention
as per ASTM F838

Sterile filtration with a nominal
pore size of 0.2 µm (microfiltration)

Duration of use: 50 days
(7 weeks)

High, stable flow rate
throughout the period of use

Protection due to the bacteriostatic
properties of the filter housing in accordance
with ISO 22196

Proven biocompatibility
to protect the user

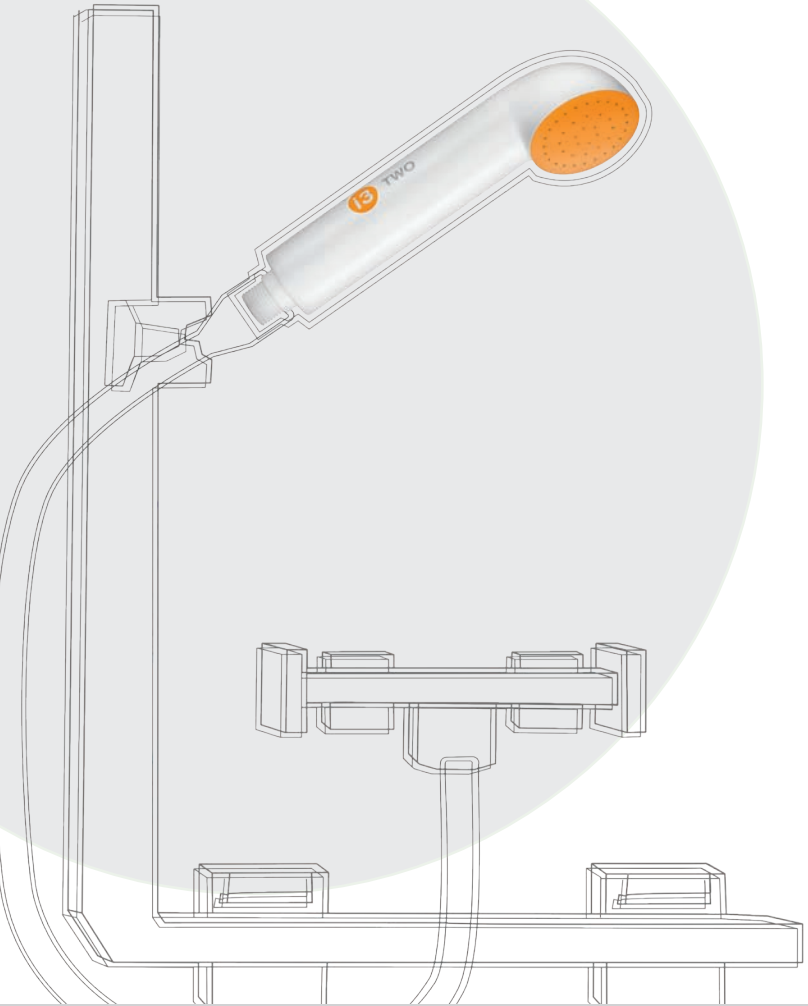
Filter surface can be disinfected
by wiping

Compact design means
use of the faucet is not limited

Angled laminar
water jet

Connected to water faucet
by means of quick-release fastening

Unambiguous
traceability


TWO

i3 TWO (connect/direct) sterile filter





The i3TWO connect/direct point-of-use sterile filter is used in medical settings to prevent infections caused by bacteria such as *Legionella pneumophila, Pseudomonas aeruginosa* and mycobacteria. It is used as a shower head for the sterile filtration of tap water. The water filter is used in settings where aerosols are produced and protects immunocompromised and immunosuppressed patients receiving medical treatment in oncology, transplantation and intensive care wards, and also neonates, from infections caused by waterborne pathogens.

PROPERTIES

CE-marked Class I medical device

Microbial retention as per ASTM F838

Sterile filtration with a nominal pore size of 0.2 µm (microfiltration)

Duration of use: 50 days (7 weeks)

High, stable flow rate throughout the period of use

Protection due to the bacteriostatic properties of the filter housing in accordance with ISO 22196

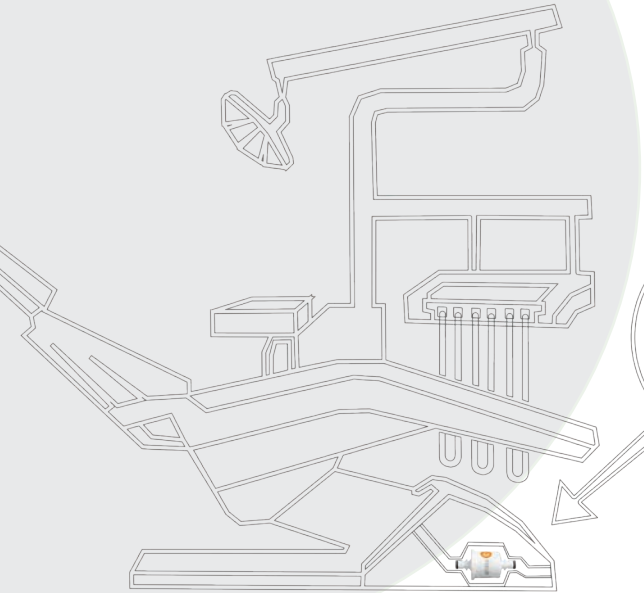
Proven biocompatibility to protect the user

Filter surface can be disinfected by wiping

Irrigation of wounds (chronic and postoperative wounds, wounds of people with severe burns)

Connected to shower hose by means of quick-release fastening

Unambiguous traceability



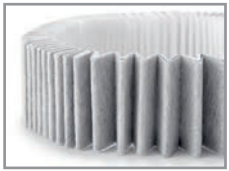

FOUR


FOUR

i3 FOUR sterile filter







The i3 FOUR inline filter is used for the sterile filtration of tap water to prevent contamination due to waterborne bacteria such as *Legionella pneumophila*, *Pseudomonas aeruginosa* and mycobacteria. It is installed in the inflow pipes of devices and instruments. The areas of use of the i3 FOUR are varied and include many different situations. For example, it is used in medical settings for the reprocessing of devices (e.g. endoscopes) and in dental and ENT units. It provides reliable protection against waterborne pathogens in the provision of drinking water (drinking water fountains), air conditioning, laboratory equipment and other situations.

PROPERTIES

Microbial retention as per ASTM F838

Sterile filtration with a nominal pore size of 0.2 µm (microfiltration)

Duration of use: 50 days (7 weeks)

High, stable flow rate throughout the period of use

Varied range of uses (e.g. in the reprocessing of medical devices; in ENT and dental units)

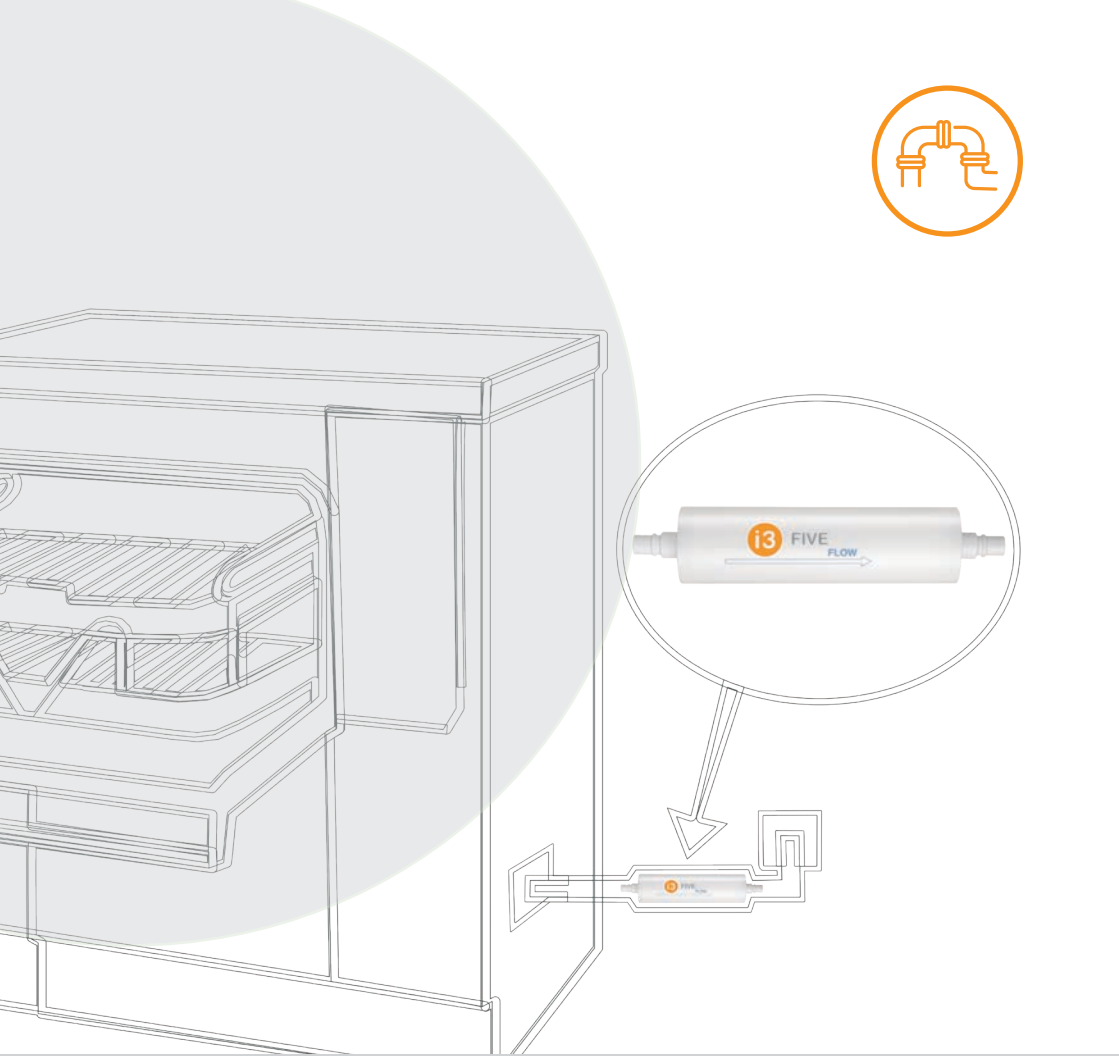
Authorized for use with drinking water

Compact design for use in devices and instruments

Connection in the water system by means of quick-release fastening

Unambiguous traceability

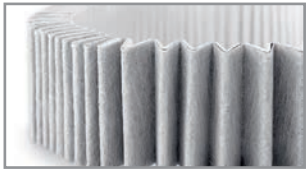
Proven medical technology


FIVE
FLOW

i3 FIVE sterile filter







The i3 FIVE inline sterile filter is used for the sterile filtration of tap water. It is installed in the inflow pipes of devices and instruments to prevent contamination due to waterborne bacteria such as *Legionella pneumophila, Pseudomonas aeruginosa* and mycobacteria. The i3 FIVE filter is used for reliable microfiltration to exclude waterborne pathogens in situations involving high levels of water flow. The bacterial filter is used in settings such as medical device reprocessing (e.g. AERs) and the filling of birth pools.

PROPERTIES

Microbial retention as per ASTM F838

Sterile filtration with a nominal pore size of 0.2 µm (microfiltration)

Duration of use: 50 days (7 weeks)

High, stable flow rate throughout the period of use

Varied range of uses (e.g. in the reprocessing of medical devices; in ENT and dental units)

Authorized for use with drinking water

Compact design for use in devices and instruments

Connection in the water system by means of quick-release fastening

Unambiguous traceability

Proven medical technology


i3
WarmUP-on

i3 WundPen sterile filter







The i3 WundPen is a point-of-use water filter for the cleansing of wounds with sterile filtered water. It is used in ambulatory and in-patient care. The sterile filter is used for the targeted cleansing of hard-to-clean chronic and postoperative wounds (e.g. Pilonidal sinus, Acne inversa and Leg ulcers). The shower jet is made up of individual fine jets and ensures almost pain-free cleansing of the wound.

PROPERTIES

Microbial retention as per ASTM F838

Sterile filtration with a nominal pore size of 0.2 µm (microfiltration)

Duration of use: 50 days (7 weeks)

High, stable flow rate throughout the period of use

Cleansing of wounds (chronic and postoperative wounds, wounds of people with severe burns)

Ergonomic form allows optimal cleansing of the wound

Focused shower pattern ensures that wound irrigation is almost pain free

Connected to the shower hose by means of screw thread

Reliable hygienic sealing for transportation (management of discharge from hospital)

Proven medical technology


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i3 trackApp Filter change







The i3 trackApp is the software solution for safe, efficient and simple filter changes. Planning, implementation and documentation of the filter change is organized and carried out quickly, safely, in a structured manner and paperless. Directions, the number of filters required, and deadlines are recorded in full and presented in clear and reliable fashion. Changes that have already been made are stored in a reliable archive. User-friendly operation with a smartphone or tablet makes it possible to completely document each and every water point.

BENEFITS

Enhanced capacity by conserving human resources

Control scan function, team mode and reminder function

Cloud-based, simple solution

Individual service packages optionally available

Clear planning and preparation on the PC

Operation via smartphone or tablet - even without an Internet connection

Secure, simplified and paperless documentation process

Data is protected, secure and digitally stored

Automatic directions and reporting

Your Companion
Life Science Filtration

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Certification of quality management system as per DIN EN ISO 13485:2016

IMAGE_MC_EN_V01/MAY2022