



Medical

i3 TWOdirect sterile filter



INTENDED USE & FIELDS OF APPLICATION

The i3 TWO direct Point-of-Use filter is used in medical settings to prevent infections and is employed where immunocompromised or immunosuppressed patients, for example in oncological, transplantation and intensive care wards as well as neonatology, need to be protected from exposure to waterborne pathogens. Use of the filter prevents possible infections, such as pneumonia, inflammation of the urinary tract, postoperative wound infections or infections of the bloodstream. These infections are caused by waterborne (gram-negative) pathogens such as *Pseudomonas aeruginosa* or *Legionella pneumophila* and can have significant adverse consequences in immunocompromised or immunosuppressed patients. The filter is used for targeted infection prevention within the meaning of Section 23 Paragraph 3 of the German Infection Protection Act [IfSG] and is employed at the shower Point-of-Use for cleansing wounds, washing patients and surgical hand washing, and is utilized where patients, users and third parties run the risk of possible exposure to opportunistic and obligate pathogens.

FEATURES

CE-marked Class I
medical device

Bacterial 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 screw thread

Unambiguous traceability





Medical

TECHNICAL SPECIFICATIONS



APPLICATIONS

Shower



FLOW RATE

15 l/min. at 5 bar



AUTHORIZED FOR USE WITH DRINKING WATER

Plastics suitable for use with drinking water as per BS 6920



ANTIBACTERIAL ACTIVITY

> 4 log *Pseudomonas aeruginosa*,
Escherichia coli, *Staphylococcus aureus*
in 24 hr.



BACTERIAL RETENTION

> 7 log (*Brevundimonas diminuta*)
per cm² of filter area



DISINFECTION

Can be disinfected by wiping with
normal surface disinfectant



OPERATING TEMPERATURE

60 °C
(max 70 °C for 30 mins.)



DURATION OF USE

50 days (7 weeks)



OPERATING PRESSURE

max 5 bar



SHELF LIFE

5 years



MEMBRANE

i3 High performance flat membrane



MATERIAL AUTHORIZATION

Product is biocompatible
as per ISO 10993-1



CHLORINE RESISTANCE

≤ 200 ppm active chlorine for 1 hour
≤ 10 ppm active chlorine for 50 days



ATTACHMENT

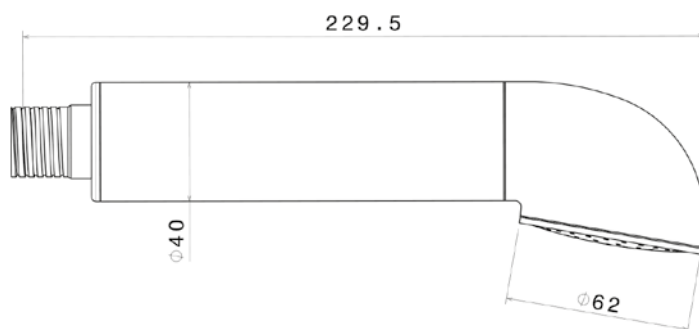
G1/2" screw thread (no
accessories required for installation)



LABELLING

Serial number / DataMatrix Code
for documentation of filter changes

DIMENSIONS (mm)



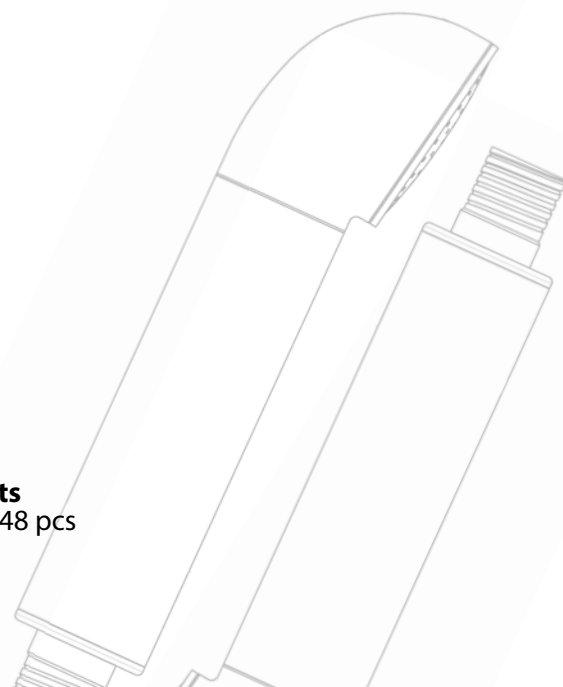
ORDER INFORMATION



i3 TWOdirect Sterile filter, shower
203300 (item no.)



Packaging units
2 pcs / 12 pcs / 48 pcs



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



i3 Membrane GmbH
Christoph-Seydel-Str. 1
DE-01454 Radeberg
Germany

www.i3membrane.de
info@i3membrane.de
Tel: +49 (0)40-2576748-0
Fax: +49 (0)40-2576748-48

Your Companion
Life Science Filtration