



Medical

i3 TWO_{direct} sterile filter



INTENDED USE & FIELDS OF APPLICATION

The i3 TWO 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 situations where aerosols are formed and protects immunocompromised and immunosuppressed patients receiving medical treatment in oncological, transplantation and intensive care wards, and also neonates, from infections caused by waterborne 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

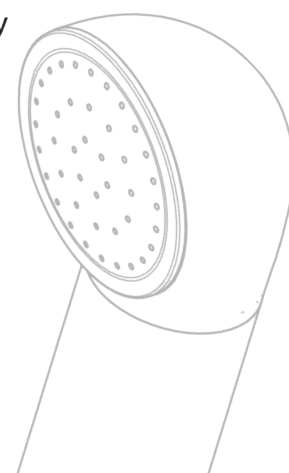
Proven biocompatibility
to protect the user

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



RETROGRADE PROTECTION

> 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 min)



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

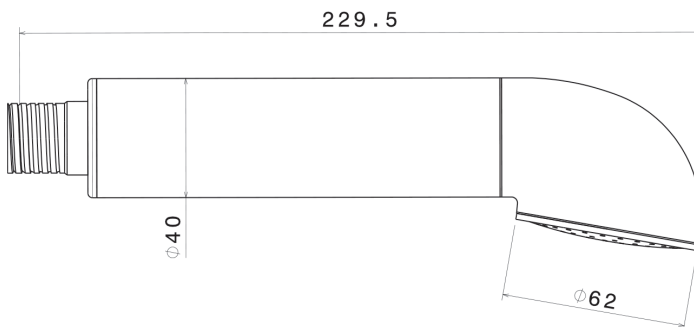
G1/2" screw thread (no
accessories required for installation)



LABELLING

Serial number / DataMatrix Code
for documentation of filter changes

DIMENSIONS (mm)



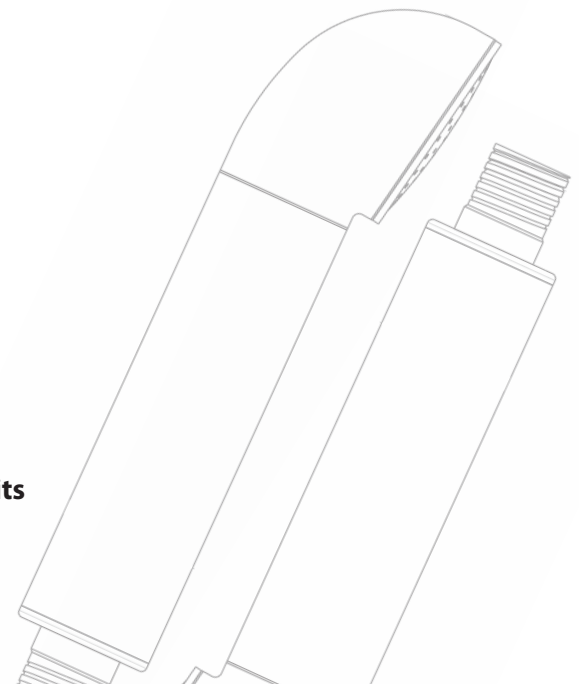
ORDER INFORMATION



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



Packaging units
2 pcs / 12 pcs



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