

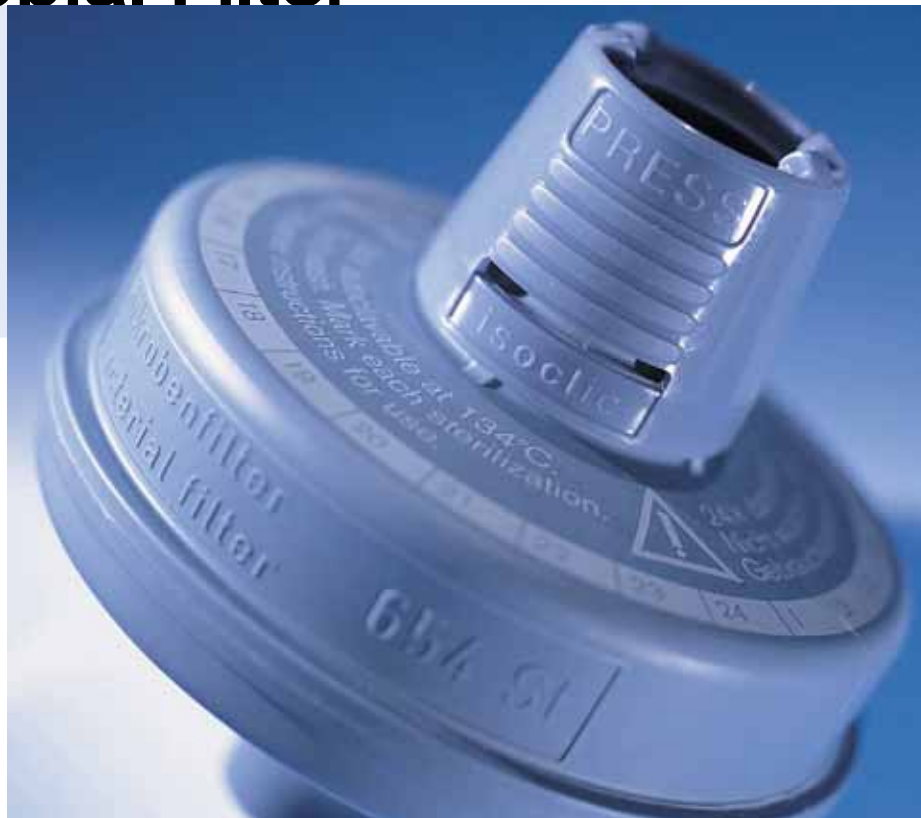
Isoclic Microbial Filter

Sterilisable filter to protect the patient from bacterial contamination

Sterilisable filter to protect the patient from bacterial contamination during inhalation anesthesia or ventilation. The filter also prevents the contamination of the environment from pathogenic bacteria.

- environmentally friendly because of reusability
- saves time in the cleaning cycle for breathing systems
- can be steam-sterilised 24 times at a maximum of 134°C
- inspiratory and expiratory use possible
- filtration efficiency of 99,995 %

When used in the expiration limb of an anesthesia machine breathing system, specific, continuous monitoring for inspiratory pressure is required so that an alarm will be given if the filter resistance increases.



Filter effectiveness

A number of physical mechanisms apply to the filter correlation with particle size to form a characteristic efficiency curve, these are as follows:

1. Interception:
the filtering process intercepts larger particles (larger than 0.3 µm)
2. Inertial impact:
Inertia affects apply to particles of intermediate size (about 0.3 µm)
3. Brownian Diffusion:
Brownian Diffusion applies to very small particles (smaller than 0.3 µm)



Technical Data	
Penetration level for paraffin oil mist (Test aerosol 1 DIN 24 184)	0.005%
Flow resistance	0.2 mbar at 5 L/min 1 mbar at 30 L/min 2 mbar at 60L/min
Volume	140 mL
Active filter area	about 650 cm ²
Filter material	hydrophobic fibreglass paper
Leakage when assembled at 30 mbar	1 mL/min
Sterilisation	can be sterilised 24 times in steam steriliser for 5 min at 134 °C maximum
Frequency of sterilisation	sterilisation needed after each patient change and at least every 24 hours
Connections	22 mm isoclic and 22 mm cone with undercut
Dimensions (length, diameter)	100 mm, 100 mm
Weight	approx. 85 g
Housing material	polypropylene (blue), recyclable
Packaging	cardboard, polyethylene, recyclable
Waste disposal	after final sterilisation dispose with domestic waste

Order List	
Name	Order No.
Microbial filter 654 ST (Pack of 5)	67 33 895
For expiratory use in ISO Circle System 8: Inspiratory valve with pressure measuring connector	M 32 008

Warning

- Filters used for medicament nebulisation must not be re-used.
- After each steam sterilisation filter resistance must be tested before re-using.

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Africa, Latin America:

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The quality management system at Dräger Medical AG & Co. KGaA is certified according to ISO 13485, ISO 9001 and Annex II of Directive 93/42/EEC (Medical devices).