

Highlights

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Single-use Filter Sets

For insufflation and smoke evacuation

STORZ
KARL STORZ – ENDOSKOPE

Sterile insufflation tubing sets with single-use gas filters for gas insufflation

Protecting hospital patients from infection is a recurrent issue in times of bacterial multidrug resistance and the increasing ineffectiveness of antibiotics. Numerous viral infections may be transmitted as well, some of which are incurable and are therefore life-threatening for affected patients.

It is therefore all the more important to minimize known risks. Gas insufflation for generating the pneumoperitoneum in laparoscopy, for instance, poses such a risk. A compatible, proven and sterile single-use filter must be installed between the gas insufflation unit and the patient in order to prevent potential cross-contamination between one patient and another through the unit. Such cross-contamination may occur if there is a sudden gas backflow from a patient to the unit, for instance, when pressure is applied on the abdomen.

Requirements for the correct filter/unit combination

In order to minimize the risk of potential cross-contamination of the patient, it is imperative to use a sterile insufflation tubing set with a single-use gas filter every time. Ultimately, this means that an insufflation tubing set with gas filter should only be used once on a single patient during a procedure.

The product must be approved and certified for insufflation purposes according to the Medical Device Directive 93/42/EEC. Furthermore, it must be compatible with the insufflation units.

Using KARL STORZ insufflation tubing sets with gas filter in combination with KARL STORZ insufflators meets all criteria for the full performance of the units.

Summary of the quality features of KARL STORZ insufflation sets with gas filter

- Sterile insufflation tubing sets with gas filter for single use
- Approved and certified for insufflation
- Proven compatibility with KARL STORZ insufflation units
- Guaranteed compatibility with the high-flow capacities of KARL STORZ units
- Filter membrane hydrophobic on both sides
- Filter efficiency > 99.995% for the tested sample



Insufflation tubing set with gas filter, heatable, for single use

- Insufflation tubing set with integrated filament for gas heating (approx. 37 °C)
- Length 300 cm
- Maximum gas flow of 50 l/min
- Approved for the insufflator ENDOFLATOR® 50
- Package of 10, 031210-01

031210-10 **Insufflation Tubing Set with Gas Filter**, length 300 cm, heatable, hydrophobic on both sides, sterile, for single use, package of 10, for use with ENDOFLATOR® 50



Insufflation tubing set with gas filter, for single use

- Length 300 cm
- For use with insufflation devices with a maximum gas flow of 50 l/min
- Compatible and recommended for the insufflators ENDOFLATOR® 40 and ENDOFLATOR® 50
- Package of 10, 031200-01

031200-10 **Insufflation Tubing Set with Gas Filter**, length 300 cm, hydrophobic on both sides, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 50 l/min (Electronic ENDOFLATOR®, THERMOFLATOR®, ENDOFLATOR® 40, ENDOFLATOR® 50)



Insufflation set with gas filter, for single use

- Length 320 cm
- For use with insufflation devices with a maximum gas flow of 30 l/min
- Compatible with and recommended for the insufflators THERMOFLATOR® and Electronic ENDOFLATOR®
- Package of 10, 031222-01

031222-10 **Insufflation Set with Gas Filter**, length 320 cm, hydrophobic on both sides, sterile, for single use, package of 10, for use with insufflation devices with a maximum gas flow of 30 l/min (Electronic ENDOFLATOR®, THERMOFLATOR®) including:
10x **Gas Filter with Insufflation Tube**, sterile
Adaptor with Tube, unsterile
Adaptor, unsterile



Insufflation tubing set with gas filter, for single use

- Two patient-side LUER-Lock tubing connectors for two trocars
- Maximum gas flow even when using standard trocars with standard LUER-Lock connectors
- Length 400 cm
- For use with insufflation devices with a maximum gas flow of 30 l/min
- Compatible with and recommended for the insufflators THERMOFLATOR® and Electronic ENDOFLATOR®
- Package of 10, 031622-01

031622-10 **Insufflation Tubing Set with Gas Filter**, length 400 cm, two patient-side tube connections, hydrophobic on both sides, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 30 l/min (Electronic ENDOFLATOR®, THERMOFLATOR®, ENDOFLATOR® 40, ENDOFLATOR® 50)



Gas filters for single use

- LUER-Lock connector
- For use with insufflation devices with a maximum gas flow of 1 l/min
- Compatible and recommended for the insufflator MICRO-HYSTEROFLATOR
- Package of 10, 031123-01

031123-10 **Gas Filter**, for fluid irrigation, with male and female LUER-Locks, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 1 l/min (HAMOU® MICRO-HYSTEROFLATOR SCB)



Smoke evacuation filter set, for single use

The smoke evacuation filter set is used for filtration and to regulate the removal of smoke vapor generated in laparoscopic procedures in order to reduce risks for the patient and OR personnel.

- Filtration of microorganisms, particles and toxic chemical substances
- Filter efficiency > 99.9999% for the sample tested
- Length 50 cm
- Male LUER-Lock connector
- Flow rate up to 8 l/min at 15 mmHg
- Roller clamp for controlling the flow rate
- Passive smoke evacuation: No additional equipment required to use the smoke evacuation filter set
- Package of 10, 031110-01

031110-10 **Smoke Evacuation Filter Set**, with 50 cm tube, with male LUER-Lock, sterile, for single use, package of 10, for use with trocars with LUER-Lock connector

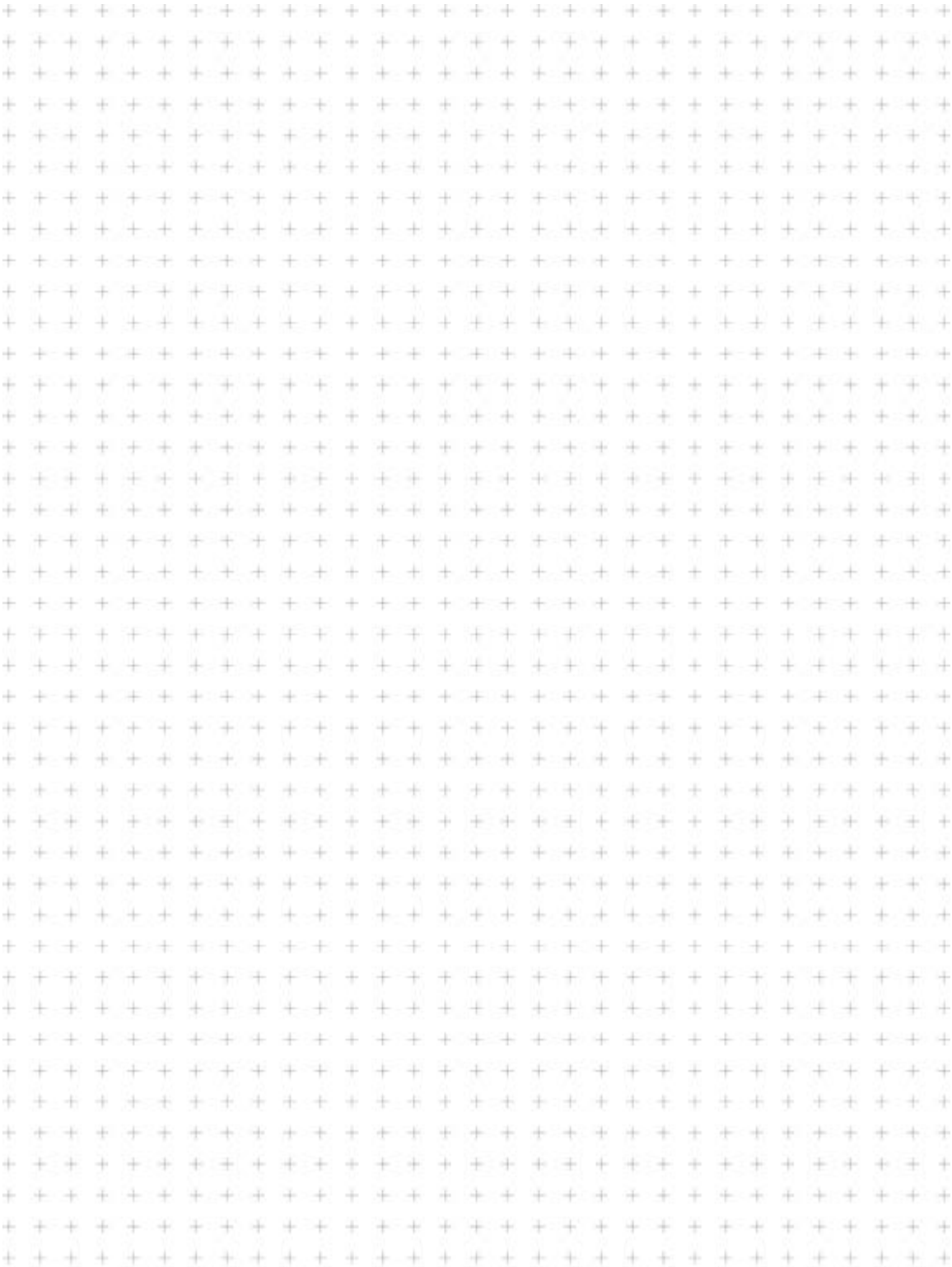


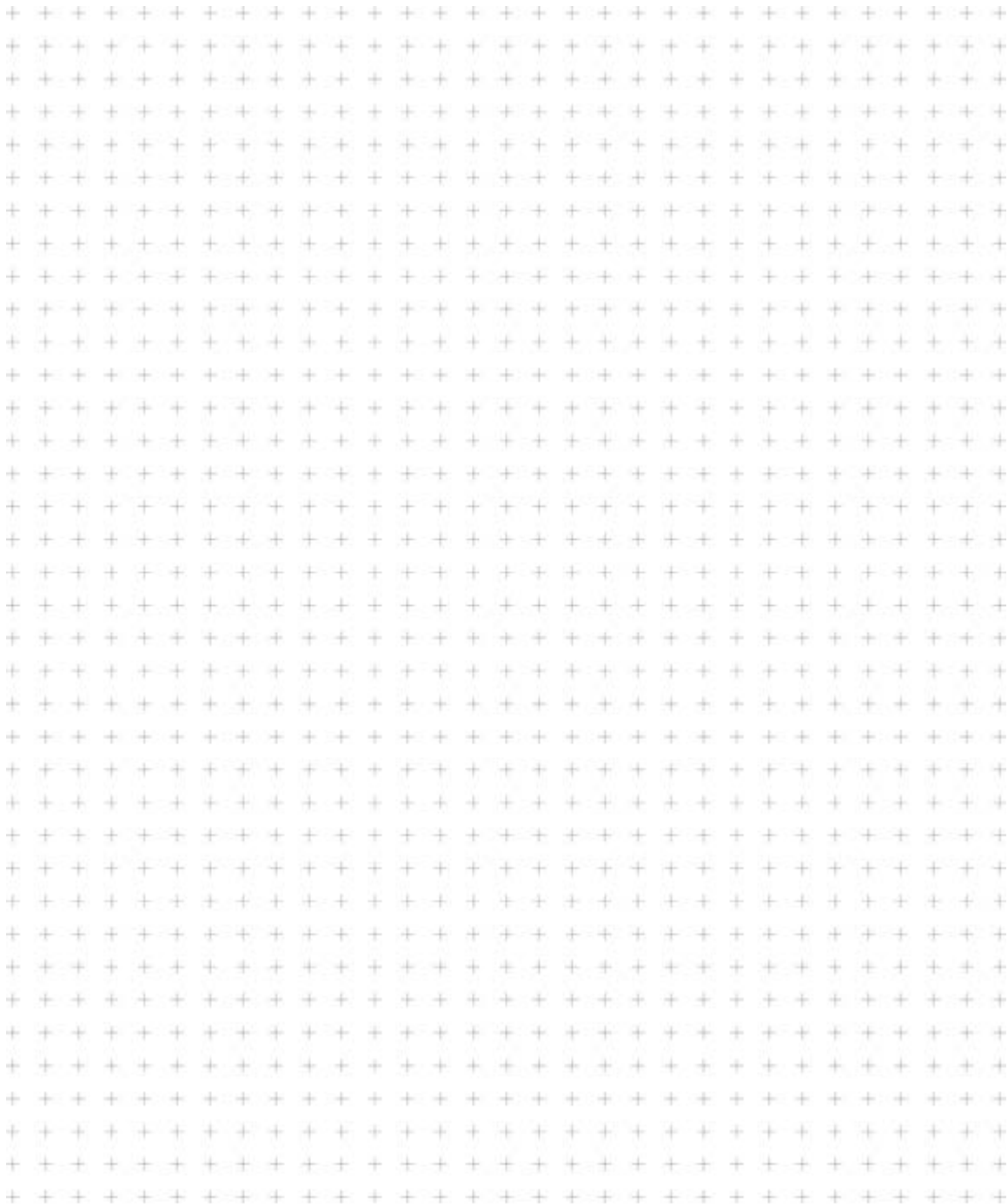
Smoke evacuation filter set, for single use

The smoke evacuation filter set is used to remove smoke vapor generated during surgical suction in order to reduce risks for the patient and OR personnel.

- Filtration of microorganisms, particles and toxic chemical substances
- Filter efficiency > 99.9999% for the sample tested
- Flow rate up to 8 l/min at 15 mmHg
- For use in combination with, e.g., the S-PILOT® with Tubing Set 031447-10 as well as a suction pump or central suction system
- The S-PILOT® smoke evacuation management system provides smoke-free visibility during endoscopic interventions and helps remove surgical plume
- Smoke evacuation filter placed between the suction canister and the suction pump
- Package of 10 031111-01

031111-10 **Smoke Evacuation Filter**, unsterile, for single use, package of 10





It is recommended to check the suitability of the product for the intended procedure prior to use. Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.



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