

HS-50F, HS-50V, HS-50H, HS-50S, HS-30S

Insufflator

Operator's Manual

WARNING

- The Luer-lock can only be used to connect the pipe fitting. Never use the Luer-lock to connect other accessories.
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4.1.6.2 Connecting the Heating Insufflator Tube (only for HS-50F/HS-50H models)

1. Connect the sterilized pipe fitting to the sterilized Luer-lock. As shown in Figure 4-7.
2. Please install the filter between the insufflator tube and the insufflator's CO₂ gas injection interface. As shown in Figure 4-10.
3. Connect the installed pipe fitting to the CO₂ gas injection joint of the product. Guarantee that the interface is well inserted.
4. Connect the heating joint to the insufflator tube heating joint on the front panel of the product.

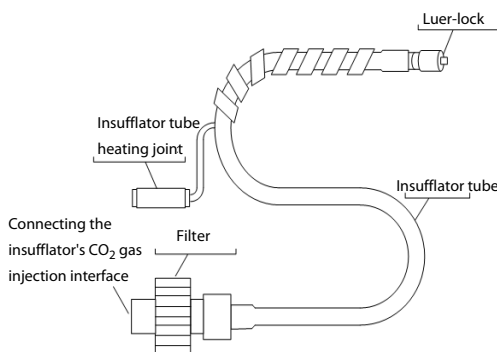


Figure 4-10 Installed heating insufflator pipe fitting (using filter)

4.1.7 Connecting the Suction Tube (only for HS-50F/HS-50V models)

1. Connect the Luer-lock, transparent hose, adapter tube, and slim tube. As shown in Figure 4-11.

Name	Manufacturer	Type
MetriZyme®	METREX® RESEARCH	Enzymatic cleaner

5.3.2.2 Washing Steps

After each use, the following cleaning procedures shall be conducted immediately. If the cleaning cannot be conducted immediately, please immerse the pipe fitting in distilled water immediately to prevent dirt from drying, but the time should not exceed 24 hours.

1. Disassemble the pipe fitting to its basic structure. As shown in Figure 5-1, Figure 5-2, and Figure 5-3.

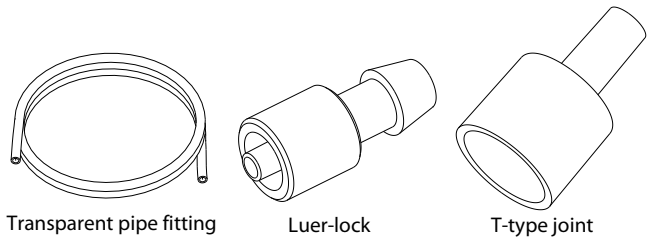


Figure 5-1 Disassembly of the insufflator tube

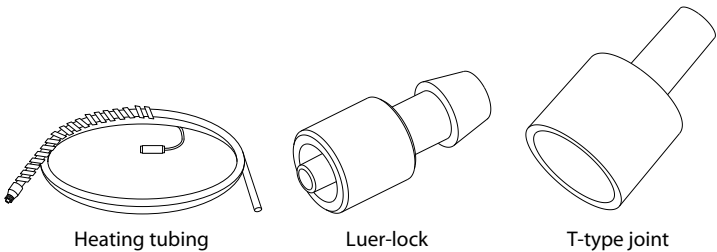


Figure 5-2 Disassembly of the heating insufflator tube

3. Gently churn the pipe fitting, washing it thoroughly.
4. Take the pipe fitting out of the sterile water.
5. Install the injector on the pipe fitting, and inject air to eliminate water inside the pipe fitting. As shown in Figure 5-4.
6. Use sterile lint-free to wipe the outside surface dry.

5.3.2.7 Requirements for Sterilization

The disassembled parts of the pipe fitting need to be reassembled before sterilization.

The high-temperature and high-pressure sterilization supported for the pipe fitting meets the requirements of WS/T 367-2012 Technical Code of Disinfection for Medical Institutions.

Highest temperature	Sterilization time
134°C	4 min

NOTE

- **The time above refers to the sterilization time, excluding forevacuum time and time for drying and cooling after sterilization.**
- **Maximum temperature at any phase shall not exceed 134°C, otherwise it might cause damage to the pipe fitting or reduction of service life.**

5.3.2.8 Steps of Sterilization

1. Before sterilization, put the pipe fitting inside the sterilization box, and pack it with sterilization pouch or sterilization cloth.
2. According to regulations of the hospital, seal the pipe fitting that needs to be sterilized in a package suitable for high-temperature and high-pressure sterilization. It is recommended to choose dedicated surgical instruments to sterilized the sterilization cloth (pouch).
3. Perform high-temperature and high-pressure sterilization on the package in accordance with the sterilization requirements of the device and the operating manual of the sterilization instrument manufacturer.
4. After high-temperature and high-pressure sterilization, let all components cool to room temperature gradually.

5.3.2.9 Storage After Sterilization

NOTE

- **After cleaning and sterilization, the pipe fitting and contaminated devices need to be stored separately.**