

Stainless Steel Spray Gun Reprocessing Instructions

1. Reprocessing intervals

The cleaning gun and accessories (nozzles, luer-lock connector, coupling protection cap, hose end cap and trigger locking ring) must be cleaned and sterilized prior to the first use! The cleaning gun must be disassembled for cleaning and sterilization!

The reprocessing intervals must be determined by the user depending on the purpose of use and the frequency of the resulting contamination and soiling of the instrument itself. When contaminated, the cleaning gun must be reprocessed together with all accessories! We therefore recommend carrying out microbiological tests, depending on the purpose of use.

2. Disassembly of the cleaning gun (It is not necessary to remove the fitted O-ring seals)



Gun handle for threaded hose coupling 1/2" Internal thread Coupling protection cap for a set with quic k lock coupling Hose end cap for a set with threaded hose coupling

Trigger locking ring

Remove shower nozzle sieve from the shower nozzle by turning it counterclockwise

- 1. Disassemble the end cap from the body of the gun by turning it counterclockwise.
- 2. Remove the piston spring
- 3. Pull trigger back and pull the piston out backwards

4. Loosen nozzles from nozzle cap by turning them counterclockwise 5. Disassemble the nozzle cap from the body of the gun by turning it counterclockwise.

6. Disassemble the handle from the body of the gun by turning it counterclockwise.

7. Disassemble the shower nozzle sieve from the shower nozzle body by turning it counterclockwise.

3. Reprocessing of the cleaning gun, nozzles, luer-lock connector, coupling protection cap, trigger

locking ring, nozzle rack and the hose end cap. (It is not necessary to remove the fitted O-ring seals) Cleaning by qualified specialist staff in compliance with the guidelines for cleaning and disinfection following the latest RKI (Robert Koch Institute) recommendations at www.rki.de . Also, use the recommended specifications of the cleaning agent manufacturer.

Removing the cleaned instruments from the cleaning and disinfection device

Remove the cleaned instrument parts from the cleaning and disinfection device after the cleaning process has been completed, wearing disposable gloves to avoid further contamination. Check cleaning and drying of the instrument parts. If they have not been cleaned completely, the appropriate cleaning steps must be repeated, or a final drying process must be performed using compressed air for medical purposes.

3.1 Preparing the instrument for steam sterilization

Check the completely cleaned and dried instrument parts for possible defects. Sterilization must be performed in a single transparent sterilization package according to European Standard EN 8685.

3.2 Sterilization of the cleaning gun parts

Steam sterilization recommended cycle: temperature 132°C for 4 minutes or 135°C for 3 minutes

Guidelines of the sterilization device manufacturers shall be observed when loading the sterilization chamber. The shelf life after sterilization depends on the storage container. Please observe the manufacturer's information! After contamination with pathogens, which cannot be killed by the sterilization method you were using, the instrument may not be used ever again.

3.3 Checking the instrument parts after sterilization

The instrument must not be used if:

The instrument is not properly cleaned and sterilized.

Parts of the cleaning unit are bent, have corroded or defect threads. O-rings or washers be missing or are damaged. The user is responsible for the use of the instrument. In case there have been recorded deficiencies during inspection, even if they are not mentioned here, the instrument may not be used ever again.

4. Reassembly of the cleaning gun after sterilization



Fasten shower nozzle s is even on the shower nozzle body by turning it clockwise Trigger Gun handle

Front end of piston with small piston O-ring only minimal lubrication with pure silicone oil Cleaning gun, assembled for use with threaded hose coupling

Cleaning gun, assembled for use with quick lock coupling

Before you reassemble the gun, please check if all O-rings shown in the picture are present and undamaged! Screw all parts in place **finger tight by clockwise rotation**

Use of the cleaning gun with compressed air and Water:

1. Lubricate the front end of the piston and the small piston O-ring with pure silicone oil prior to the assembly! **Only** minimal lubrication!

If you insert the dry piston the piston seal will be damaged! Then insert the piston into the gun body, position the piston spring onto the piston and screw the end cap to the gun body.

2. Screw the nozzle cap to the front of the gun body and screw the desired nozzle into the nozzle cap.

3. Screw the gun handle into the gun body as far as it will go.

4. Oil the plug nipple of the handle DN7.2 with pure silicone oil if it is difficult to insert it into or remove it from the stainless steel coupling.

Note: The enclosed silicone oil SLC2000 by company Fujinon is not sterile.

Caution: Oils containing white oil or paraffin oil will damage the O-rings.

If it is difficult to remove the cg piston from the gun body or insert it into the gun body **Note:** then you must replace the small O-ring for the cg piston

5. Cleaning gun sets: 6420800xx / 6420810xx / 6420820xx

Reassembly of the cleaning gun to the gun coupling:

1. Introduce the gun handle with coupling plug DN7.2 straight into the gun coupling and press it in until it audibly engages into position.

2. Open the pressure supply line and check the whole system for leakage!

Dismounting the cleaning gun from the gun coupling:

1. If you want to dismount the cleaning gun from the coupling again for reprocessing, you must interrupt the pressure supply. 2. Relieve the pressure in the hose through the gun by activating the trigger.

3. Press the gun handle into the coupling and, at the same time, pull the sliding ring on the coupling towards the hose and pull the gun out of the coupling.

4. Put the sterile coupling protection cap over the gun coupling.

5. The hose must be stored in such a way that it does not come into contact with liquids and cannot be contaminated. The coupling protection cap is cleaned and sterilized in the same way as the cleaning gun parts.

6. Cleaning gun sets: 6420805xx / 6420815xx / 6420825xx

Assembly of the cleaning gun with the hose (screw connection between gun and hose) 1. Check if the O-ring for the internal thread of the handle is inserted in the handle's union nut.

2. Screw the union nut of the gun handle to the hose by turning it clockwise. 3. Open the water supply line and check the whole system for leakage!

Removal of the cleaning gun from the hose:

1. If you want to remove the cleaning gun from the hose again for reprocessing, interrupt the water supply and relieve the pressure in the system through the cleaning gun

by activating the trigger.

2. Loosen the union nut of the gun handle from the hose by turning it counterclockwise. 3. Screw the sterile hose end cap with the internal sterile O-ring onto the hose.

5. The hose must be stored in such a way that it does not come into contact with liquids and cannot be contaminated. The hose end cap is cleaned and sterilized in the same way as the cleaning gun parts.

7. Wall holder for the cleaning gun The wall holder for the cleaning gun must be located in an adequate position to prevent contamination of the gun unit while it is not in use. The attachment screw and the raw plug for the wall holder must be adapted to the type of wall and must ensure firm support. For this reason it is not always possible to use the enclosed mounting devices.



8. Trigger locking ring

The trigger locking ring makes uninterrupted rinsing or blowing possible. If you want to fill troughs with water, you can achieve a very high flow rate when you remove the nozzle. The trigger locking ring is cleaned and sterilized in the same way as the cleaning gun parts.



9. Installation of the cleaning gun unit

The cleaning gun unit (Cleaning gun, hose, hose fitting, quick lock coupling) must be installed by a specialist company in accordance with the guidelines applicable depending on the intended use. **11. Hose** The hose, hose fittings and hose couplings are **not medical devices.** The user must replace the hose depending on the type of use, state of the hose unit and duration of use.

In case of any damage or leakage the usage of the pipe is not allowed!

Hose materials and maximum pressure: See under Technical data.

The tube length must be chosen to allow for an admitted bending radius of at least 60 mm during mounting and operation of the tube. In case of curved laying, the tube must be long enough to form an open curve since otherwise the tube will be kinked and destroyed at the connections. In no case must the flexible connection be twisted or kinked. The tube must not be subject to any tensile or compressive stress from the outside both during mounting and during operation. The fitter of the tube always is responsible for the tightness of the connection (tube/connector). Since we do not know the shape and the material of the counter pieces, the fitter must test the suitability of the provided sealing material. The warranty will only come into effect in case of professional installation considering all standards and prescriptions.

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11. Safety guidelines and hazard notes for the use of the cleaning gun unit

Before using the unit you must always ensure that all connections of the cleaning gun unit are tightly assembled and do not leak. The water and compressed air supply line must always be disconnected when the gun is not used or if you want to carry out assembly work on the cleaning gun unit and then the pressure in the system must be relieved through the cleaning gun by activating the trigger. Before every opening of the pressure line, the whole system has to be checked for damages! When the pressure line has been opened the system must be checked for leakage! The user must be protected from spray (goggles, mask, splash guard, clothing etc.). Furthermore you have to stick to all terms for the usage of the clean gun, provided by your competent employer's liability insurance association.

The nozzles on the cleaning gun must be firmly attached to the nozzle cap.

12. Examination of the instrument by the user before its use

The instrument must not be used if:

The instrument is not properly connected.

The instrument is not properly cleaned and sterilized.

The cleaning unit has damages or leaks.

Parts of the cleaning unit have corroded.

O-rings or washers be missing or are damaged.

The user is responsible for the use of the instrument. If any defects should be found during the examination, even if they are not mentioned here, the instrument must not be used.