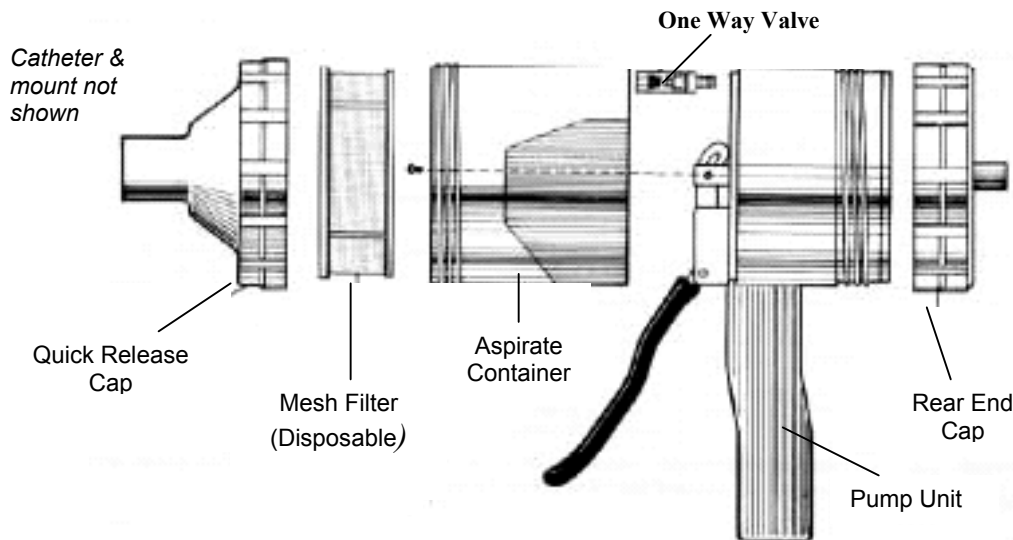


Cleaning and Disinfection Guidelines for the Emergency Aspirator

Components of Disassembled Emergency Aspirator



Post-Use Cleaning and Disinfecting

Owing to the situations in which the Emergency Aspirator is designed to be used, for the purposes of these guidelines all parts of the equipment will be considered to be at risk of having been exposed to body fluids. The catheter is at risk of having been in close contact with breaks in skin or mucous membrane, which means it poses a high risk of pathogen transmission. It is therefore manufactured to be disposable. The mesh filter is also manufactured to be disposable. All other parts of the Emergency Aspirator pose an intermediate transmission risk and should be disinfected according to guidelines given below.

Part	Material	Clean/ Disinfect/ Dispose	Recommended Disinfectant
Aspirate Container	Polycarbonate	Clean & Disinfect	Disinfect by immersion in sodium dichloroisocyanurate solution at 1000 ppm concentration of free chlorine for 15 minutes.
Catheter & Mount	PVC	Disposable	
Aspirate Container Seal	Nitrile Rubber	Clean & Disinfect	
Rear End Seal Cap	Nitrile Rubber	Clean & Disinfect	
One Way Valve	Polycarbonate/ PNR	Clean & Disinfect	
Aspirate Container Cap	Polycarbonate/ Natural Rubber	Clean & Disinfect	
Rear End Cap Assembly	Polycarbonate/ Nylon	Clean & Disinfect	
Mesh Filter	Acetal/ Polyester	Disposable	

All risk levels and definitions of cleaning and disinfection are as defined in "Sterilization, Disinfection and Cleaning of Medical Equipment: Guidance on Decontamination from the Microbiology Committee to Department of Health Medical Devices Directorate, 1996".

- ▶ Remove and dispose of the catheter.
- ▶ Open the aspirator by unscrewing both end caps.

- ▶ Disassemble the Vitalograph Emergency Aspirator (as above). The aspirate chamber can be removed by unscrewing the two pan head screws inside the chamber. The one-way valve inside the aspirate container can also be unscrewed for inspection and cleaning.
- ▶ Clean each separate part of the Vitalograph Emergency Aspirator by washing in a mild detergent to remove particulate contamination. Take care not to immerse the pump unit.
- ▶ To clean the rear chamber remove the rear end cap by unscrewing by hand. (This is considerably tighter than the quick release cap on the aspirate container to avoid accidental unscrewing). The piston and cylinder will be revealed, allowing cleaning of the remainder of the fluid path.
- ▶ Rinse with clean water.
- ▶ Disinfect by immersion (except pump unit) in sodium dichloroisocyanurate solution at 1000 ppm concentration of free chlorine for 15 minutes. Reassemble the device and pump disinfectant through the one-way valve by squeezing the trigger on the pump unit. Take care of the device “spitting” out fluid from the rear end cap. Again, leave for 15 minutes before rinsing for full effect of the disinfectant. *Prepare disinfectant solution according to manufacturer’s guidelines.*
- ▶ Pump hot water through the unit to rinse and aid drying. Disassemble the unit for drying.
- ▶ After cleaning, disinfecting and thoroughly drying the aspirate container, valves & quick release cap, reassemble the device with a new seals, mesh filter and catheter. Perform a visual and functional check, as described in the Routine Annual Maintenance Procedure. When satisfied that all the seals and valves are functional and that a good vacuum is produced, store the Emergency Aspirator ready for use.

Always follow the safety guidelines given by the manufacturer of cleaning and disinfectant chemicals.

Cleaning and Disinfecting Procedure when Servicing

For the purposes of these guidelines it is assumed that an Emergency Aspirator as presented for service will be essentially clean and uncontaminated. The following cleaning and disinfection guidelines are designed to moderate the potential low-level contamination that could be incurred during in-service handling or non-emergency handling.

Part	Material	Clean/ Disinfect/ Dispose	Recommended Disinfectant
Aspirate Container	Polycarbonate	Clean	Wiping with a 70% Isopropyl Alcohol impregnated cloth provides a suitable form of cleaning and low-level disinfection.
Catheter	PVC	Disposable	
Aspirate Container Seal	Nitrile Rubber	Clean	
Rear End Seal Cap	Nitrile Rubber	Clean	
One Way Valve	Polycarbonate/ PNR	Clean	
Aspirate Container Cap	Polycarbonate/ Natural Rubber	Clean	
Rear End Cap Assembly	Polycarbonate/ Nylon	Clean	
Mesh Filter	Acetal/ Polyester	Disposable	

- ▶ Disassemble the Vitalograph Emergency Aspirator (as above)
- ▶ Wipe over each part with a 70% Isopropyl alcohol disinfectant wipe.
- ▶ Leave to dry completely before reassembling. Re-grease the handle as required.