

SAM Range

Cleaning Instructions

D a t a s h e e t

CLEANING OF SAM SUCTION UNITS



The documentation supplied with a new **SAM** medical suction unit includes within its content sufficient information to enable the machine to be used safely.

With the need for hospitals to be able to ensure **SAM** units are compatible with their Sterile Services Department prior to purchase - the following information is provided for guidance and the procedure outlined may be adapted to suit current practise.

A competent and suitably trained person must carry out the cleaning and sterilisation of all **SAM** units. Suitable protective clothing must be worn.

Cleaning of the SAM case



Disconnect the SAM suction unit from its mains electrical power source.

To clean the outside case of the **SAM** range of medical suction units simply wipe over with a clean damp cloth or use an appropriate mild disinfectant solution avoiding excessive moisture.



- Do not wash the unit under running water or submerge it in water.
- Do not use abrasive cleaners.
- Solvent-based cleaners must never be used as these may damage the paint

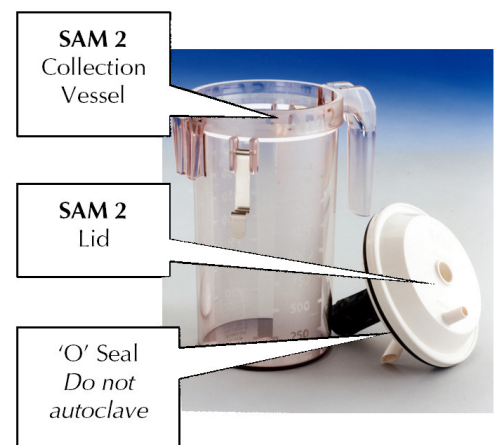
Cleaning of the SAM 2 collection Vessel

The **SAM 2** Collection vessel is made from APEC[®] 1745 Medical Grade Polycarbonate and is autoclavable up to 138°C.

The **SAM 2** collection vessel must be cleaned and sterilised between uses. The collection vessel is connected to the **SAM** unit via a silicon tube and two identical vacuum connectors.

The tubing and connectors are replaceable items and should be changed regularly according to the level and type of usage and where it has become in any way contaminated or damaged.

The black 'O' seal is a re-usable item but **must not** be autoclaved.



General

The **SAM 2** Collection Vessel can be cleaned, disinfected and sterilised by most of the well-known methods employed in practice. Under certain conditions, however, contact with cleaning, disinfecting and sterilising media may cause some damage, which manifests itself in the form of stress cracking. This usually leads to a reduction in mechanical strength.

This Data Sheet contains no specific recommendations as to suitable cleaning agents and disinfectants for the **SAM 2** Collection Vessel, because the choice is many, and the composition of such products can change.

In order to avoid mechanical stress to the **SAM 2** Collection vessel, it is advisable not to clamp or stack them during cleaning, disinfection or sterilization.

Cleaning with detergent

In many cases it is sufficient to clean with warm or hot water to which some weakly acidic, neutral or weakly alkaline cleaning agent has been added.

- Cleaning is a pre-requisite for all types of decontamination. Sterilisation will not be effective on a vessel that is still soiled. In addition, proteinacious matter may become baked onto the surface.
- Gloves, apron and eye protection must be worn when cleaning by hand.
- The collection vessel, lid and other parts must be separated before cleaning to ensure all surfaces that may be contaminated are cleaned.
- Special attention should be paid to the shut –off valve assembly and passageway attached to the lid.
- Always pre-clean vessels under water and in a deep sink using detergent and hot water to remove visible contamination - A soft brush may be used.
- Items must be examined after the cleaning process, to ensure that all visible soiling is removed.
- Rinse well to remove any cleaning agent and avoid surface damage.



Solvent-based cleaners must not be used as these may damage the vessel
Minimise contact with cleaning solution and rinse well immediately with warm water
Prolonged immersion of parts in water above 60°C causes loss of material properties and must be avoided.

Disinfection

The **SAM 2** Collection Vessel is compatible with a large percentage of commercially available disinfectants, but depending on their composition, some can damage the Vessel.

Care must be exercised with some products containing Aldehydes, phenols or amines as the active ingredient.



Do not soak in dilute or neat disinfectant, as this will cause damage.

Sterilisation

The **SAM 2** Collection Vessel is sterilisable using radiation, ethylene oxide, or steam autoclaving. MGE recommend sterilising by steam.

Sterilising by steam autoclaving -

- Ensure removal of all visible soiling.
- The collection vessel must be dried prior to sterilisation. This reduces the likelihood of lime scale build up and ensures adequate steam penetration.
- The collection vessel should be inverted on the tray.
- Sterilise in a high temperature Autoclave at 138°C for a minimum of 3 minutes.

In contrast to standard autoclaving conditions, i.e., 121°C for 15 to 30 minutes, the **SAM 2** Collection Vessel may be subjected to temperatures up to 138°C, thus reducing the amount of time needed for sterilisation.

When sterilising with steam, germicides and detergents must be rinsed thoroughly from parts prior to autoclaving. Failure to thoroughly remove germicides and detergents from the part prior to autoclaving may cause accelerated degradation.

Permanent immersion of parts in steam causes loss of material properties and must be avoided.

Care must be taken to ensure that the **SAM 2** Collection Vessel parts are not damaged by substances added to the boiler feed water, such as alkaline corrosion inhibitors, and that the vessel is positioned in such a way that no condensation can accumulate inside it as this may also cause damage.

As a rule, it is possible to sterilize the **SAM 2** Collection Vessel many times before gradual chemical decomposition reduces the mechanical strength to a level where it is no longer adequate for its application.

Sterilization tests have shown that even after 100 cycles of 30 minutes each at 120 to 125°C, the part still retains comparatively good impact strength.

Service UK Health and Safety Act – *The machine must be decontaminated internally and externally and certified as such before returning for service. Help Line 01932 355277*

MGE

MG Electric (Colchester) Limited, Wyncolls Road, Colchester, Essex CO4 9HX, United Kingdom.
Tel: +44 (0)1206 842244 Fax: +44 (0)1206 845849
email: sales@mgelectric.co.uk web: www.mgeworldwide.com

DAT103 Issue-02 – April 2009