

CLIP-ON STEAMER

User Manual



DOCUMENT VERSION LOG

The table below lists previous versions of this User Manual and states the major changes between versions.

This version list is introduced in September 2017.

| Version # | Version date | Major changes from previous versions |
|-----------|----------------|--------------------------------------|
| 1 | September 2017 | Complete revision and new layout. |

PRELIMINARY

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INTRODUCTION:

MANUFACTURER: Keofitt A/S
Kullinggade 31
5700 Svendborg, Denmark

TYPE: CIP Recirculator

YEAR OF INTRODUCTION: 2017

YEAR OF REVISED DESIGN: 2017

LAST UPDATED: 2017

The English version of this Manual is the governing version and it is the only authorized version. Consequently, KEOFITT cannot be held liable for other versions including translations of this Manual.

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PRELIMINARY

1. CLIP-ON STEAMER

PORTABLE STEAM CLEANING UNIT FOR CLEANING SAMPLE VALVES USING AN EXTERNAL TORCH The Steam Cleaner is used to sterilize sample valves for destruction and removal of bacteria and general cleaning of the sample valve prior to extracting the sample. This ensures the sample taken is representative of the greater contents of the product being sampled, without introduction of valve related bacteria or contamination.

| | |
|----------------------------|---|
| Water Capacity: | approx. 50 ml |
| Dimensions: | approx. 100 mm L x 75 mm H x 150 mm from valve port |
| Weight: | approx. 0.5 kg |
| Materials of construction: | all wetted parts of stainless steel, with silicone o-rings (good to 200 C) at connection point to valve, and cap internal – be sure to avoid direct contact with torch flame for any length of time |
| Approximate steam time: | 3+ minutes, > 1 min. heating until steam develops. Depending on SOP, will handle three sterilizations (@ 1 min. each) |



The Clip-On Steamer is designed to use an external heat source such as a torch to heat the small rectangular vessel to produce steam.



CAUTION: AS A METAL VESSEL IN CONTACT WITH A FLAME, IT IS IMPERATIVE TO OPERATE IN A SUFFICIENTLY VENTILATED AREA, USING GLOVES, PROTECTIVE GLASSES AND PROPER ATTIRE. TAKING ALL NECESSARY PRECAUTIONS TO AVOID BURNS OR OTHER BODILY HARM. DO NOT SEAL OFF THE EXITING PORT.

2. HOW TO USE

FILL THE VESSEL WITH WATER

Disconnect the blind plug on top of the vessel, and fill with approximately 50 ml water, and replace the plug, making sure it is clipped on securely.

APPLY TORCH FLAME

Ignite your torch following the manufacturer's recommendation. Different torch fuels burn at different temperatures and provide faster heating. Apply the torch to the upper third of the vessel, moving flame in a side-to-side motion until water vapor / steam starts to appear. Steam valve for one minute or until the time of your standard-operating procedure has elapsed. To get the most steaming time from the unit, apply heat just below the water surface, so the boiling does not occur at the bottom of the vessel, pushing out water before it turns to steam. After a few uses, the operator should get the feel for the most efficient use for prolonged steaming.

If moving the Clip-On Steamer to another valve, it is best to wait until it cools, or make absolutely certain you have protective gear and clothing to avoid injury. The same applies to filling or re-filling the water in the steamer, while the vessel is still hot. During heating, it is imperative to keep the direct flame away from the valve quick-coupling and the fill cap quick coupling as they have a silicone o-ring, which will deteriorate rapidly with prolonged exposure to direct flame on its contact parts.

Remove top fill plug by depressing spring side of Keofitt quick-coupling. Remember, if re-filling After use, the plug will be hot.



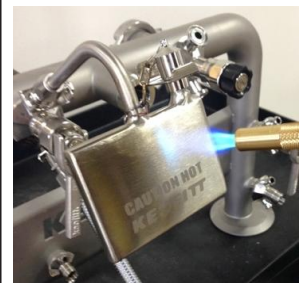
Fill water into steamer
Fill port – approx. 50 ML



Replace cap, by Depressing spring side of Clip, and pressing Opposite side to lock into Place, once the cap has Been fitted to the Coupling.



Apply torch flame to Upper third of vessel, and Move side to side until Water vapor / steam Appear, work your way Down from the top, as the Water level decreases. Steam for 1 minute or to Standard operating Procedure.



Avoid contact with the Keofitt quick-couplings As they contain silicone orings And will Deteriorate with direct Flame to their contact Parts.



When filling while Steamer is hot, it is Imperative to wear safety Gear – gloves, long Sleeves, safety glasses And other items as Required by your plant's Safety guidelines. Fill the Steamer vessel from a Source not affected by Heat.



PRELIMINARY

Keofitt reserves the right to change technical data without notice!

For complete set of updated data sheets and manuals for Keofitt products please refer to our web page www.keofitt.dk



KEOFITT A/S
Kullinggade 31
DK-5700 Svendborg
Denmark

Phone +45 6316 7080
Fax +45 6316 7081

info@keofitt.dk
www.keofitt.dk



DON'T GAMBLE WITH YOUR SAMPLE™