KEOFITT®

WORLD LEADERS IN STERILE SAMPLING™

CIP RECIRCULATOR

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.

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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1. CIP RECIRCULATOR

The CIP RECIRCULATOR allows continuous chemical cleaning of sterizable sample valves with a customer prepared solution

The CIP RECIRCULATOR 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.

The CIP RECIRCULATOR is designed to allow continuous recirculation of a cleaning solution through the sterile sample valve in preparation for sample taking, or as a measure to clean the valve for future sample taking.

Solution Capacity: approx.:	1000 ml, others on request
Dimensions: approx.:	550 mm L x 90 mm dia.
Weight: approx.:	01.2 kg full
Materials of construction:	PVC and PP

CAUTION: AS WITH ANY CHEMICAL SOLUTIONS, THE CARE, HANDLING, AND COMPATIBILITY WITH THE EQUIPMENT MUST BE CONSIDERED BEFORE UNDERTAKING USE OF THE DEVICE FOR SAMPLE VALVE CLEANING. FOLLOW SAFETY MEASSURES TO AVOID CHEMICAL CONTACT.

2. HOW TO USE

PREPARE THE CLEANING SOLITION

Unscrew the bottle top and add the appropriate amount of cleaning solution, up to 1000 ml. Screw the cap back on the bottle, ensuring the suction lance is submerged in the cleaning solution.

OPERATION

Once the desired cleaning solution has been added to the bottle reservoir, the shorter tube is installed with the plastic jaw connectors to the lower valve port. The connector teeth are pushed on the connector and the flanged plastic ring is pressed over to lock it in place. The longer tube exiting the bottle, which contains the pump bulb is similarly attached to the top port and secured in place. With the connectors securely fastened, the red bulb is pressed to draw fluid into the bulb and once full, will start to eject the fluid through the valve body, and back into the bottle reservoir. Continue the pumping action, moving liquid until the standard operating procedure has been met. Disconnect the plastic connectors and sample according to the standard operating procedures. A protocol for cleaning chemical use should be developed, as contaminated solution could introduce the contamination into the valve, and negate the cleaning effects of the CIP Recirculator.

Prepare the solution and fill the bottle through the top, after unscrewing the cap. Standard bottles hold up to 1000 ml. Make sure the suction tube is inserted below the liquid level	
Connect the lower port, pushing the toothed jaw onto the fitting, and sliding the flanged connector over the top to secure in place. Attached the lower, which will support the bottle, then the upper in the same fashion.	
Depress the red pump bulb which will draw liquid in from the bottle reservoir and push the solution through the sample valve in the same motion.	
Disconnect the top / bottom connectors and procede with the sop sampling method.	

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

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