

Issue 1.01

2 x 4.5 litre Self-Emptying Polypropylene Integral Bottler with Self-Cleaning System – User Guide Supplement

This supplement should be read in conjunction with the Aquamatic Stationary Wastewater Sampler User Guide, issue 5.01.

SECTION 1 - CONTENTS OF PACKAGE

Ref. P1.5 and P1.6 – add, the following to **Samplers – S310 / S320** and to **Samplers S310H / S320H**:

2.5M Water Hose with a ¾" BSP female connector.

SECTION 2 – INTRODUCTION

Ref. P2.5 – add, the following before **Wastewater Drain**:

Bottlers

Every Sampler model is able to operate with a range of Bottlers. All bottlers operate using a rotary Distributor mechanism to distribute Samples at various points on a circular path.

2 x 4.5 litre Self-Emptying Bottler

2 containers diametrically opposed are filled in turn. Each container is tipped up as the Distributor pipe moves towards it, in order to discharge the next Sample. This Bottler is useful where Samples of the previous discharge are normally thrown away, but are always available should the need arise, to carry out an analysis.

2 x 4.5 litre Self-Emptying Polypropylene Integral Bottler with Self-Cleaning System

The Self-Cleaning system is an adaptation of the 2 x 4.5 litre Self-emptying Bottler. Water Spray Heads are attached to opposite walls of the Bottler Housing. After a Container has tipped and emptied its contents to drain, a diffused water spray is directed into the container, in order to wash out any residues from the previous sample.

SECTION 3 - CHOOSING A SITE

Ref. P3.4 - add, the following after existing text:

Samplers with 2 x 4.5 litre Self-Emptying Polypropylene Integral Bottler and Self-Cleaning System

A wash-water supply will be required in the proximity of the Sampler installation such that it is within the reach of the 2.5M Water Hose attached to the rear of the Sampler.

The Wash-Water Supply pressure should not exceed 7 bar.

The Wash-Water Supply temperature should be within the range 1 - 65°C.

Note: Backflow Prevention is not fitted.

SECTION 5 - INSTALLATION

Ref. P5.11 – add, the following after existing text:

(Optional) Water Supply for Samplers with 2 x 4.5 litre Self-Emptying Bottler and Self-Cleaning System

Connect the 2.5M Water Hose between the ¾" BSP male connector, situated at the top right of the Sampler Cabinet Upper Rear Panel, and the site water supply (A ¾" BSP female connector is provided).

SECTION 6 – OPERATION

Ref. P6.30 - This page should read as follows:

IDENT	DISPLAY SHOWS	ACTION / COMMENTS
SYSBOT08	INCREMENT BY * TIME [SAMPLES]	<p>The Bottler can be programmed to move from one Bottle to the next (or one Group to the next, if the Bottler is in GROUP mode) either at regular time intervals or after a fixed number of Samples.</p> <p>Select TIME or SAMPLES.</p> <p>If TIME is selected and SAMPLING MODE is set to FLOW, at SYSSAM05 see SYSBOT09.</p> <p>If TIME is selected and SAMPLING MODE is set to TIME, at SYSSAM05 and BOTTLE LOCATIONS is set to, other than 2, at SYSBOT02 see SYSINST01.</p> <p>If TIME is selected and SAMPLING MODE is set to TIME, at SYSSAM05 and BOTTLE LOCATIONS is set to 2, at SYSBOT02 see SYSBOT10</p>
SYSBOT09	MAX SAMPS / BOTTLE 0007	<p>Set the limit to the number of Samples able to be deposited into each bottle. Further Samples are inhibited until the Bottler advances to the next Bottle</p> <p>If BOTTLE LOCATIONS is set to, other than 2, at SYSBOT02 see SYSINST01.</p> <p>If BOTTLE LOCATIONS is set to 2, at SYSBOT02 see SYSBOT10.</p>
SYSBOT10	BOTTLE CLEANING * NO [YES]	<p>Select NO or Yes</p> <p>Now see SYST01</p>
SYST01	SYSTEM SETTINGS INSTALLED	This screen appears briefly. Now see SETPROG01

Ref. P6.38 Sub heading **Self-Emptying Bottler** – after first paragraph text should read:

Where a Self-Emptying Bottler is fitted with a Self-Cleaning System, the Distributor Pipe pauses with the Container in the tipped position for several seconds whilst the water wash is taking place, and then moves on to its next sampling position with the container back in the upright position.

Ref. P6.39 – The table should be amended to read as follows:

SAMPLING MODE TIME
BOTTLE LOCATIONS 2
RECYCLE YES

BOTTLER MODE SINGLE
INCREMENT BY TIME
BOTTLE CLEANING NO
SAMPLE INTERVAL 01HOURS 00MINS
TIME PER BOTTLE 24HOURS 00MINS

Note: Where the Self-Emptying Bottler is fitted with a Self-Cleaning System, the Bottle Cleaning selection would normally be set to YES.

SECTION 8 – TECHNICAL SPECIFICATIONS

Ref. P8.4 – add, the following after existing text:

2 x 4.5 litre Self-Emptying Polypropylene Integral Bottler with Self-Cleaning System

Wash water temperature range	1-65°C
Maximum water pressure	7 bar
Backflow prevention	Not fitted