Wastewater Samplers
Wall-Mounted Range: S50, S100

The wall mountable Aquacell S50 and S100 Wastewater Sampler models offer simple operation, combined with rugged construction and excellent reliability. At the heart of every model in the Aquacell range is the Aquacell Sampling Module; a robust and dependable sampling unit proven in thousands of applications worldwide and trusted by users as diverse as food manufacturers, water companies and the Environment Agencies.

The air pump vacuum sampling system featured within every Aquacell Module provides for a reliable, representative and repeatable sample without the weaknesses that can be associated with alternative sampling techniques.

Both the Aquacell S50 and S100 Samplers are designed to be wall mounted adjacent to your effluent source. They are supplied as standard with a mains power connection, both units can also be specified with an additional integral or external 12VDC battery option. Flexibility in sample collection is provided by any of the non-integral range of Sample Collection Vessels options (see the specification table overleaf for details). For convenience many of the single containers can be suspended directly below the Aquacell Sampler by using the optional Suspension Bracket, as pictured.

Programming set-up is simplicity itself, with sample volumes from 50 - 500ml (and above) and sample intervals from 1 minute to almost 100 hours. Sample extraction frequency can be based on time or triggered by external sources such as flow meters, level sensors, pH meters, PLC's etc. All Aquacell Sampler models are certified to the UK Environment Agency's MCERTs standard for Automatic Wastewater Sampling Equipment and also the International Standard for Wastewater Samplers ISO 5667-10.

Aquacell S50 and S100 Samplers can extract samples from both non-pressurised and pressurised effluent sources (when specified with a Pressurised Pipeline Interface - Standard).

S50 with 10 litre HDPE Sample Collection Vessel and optional Suspension Bracket

S100 with 24 x 1 litre Bottler

Optional Suspension Bracket

Optional high-performance Padlock

Optional Contamination Shield (supplied as standard with S100)

Aquacell S50

The Aquacell S50 is designed for weather protected applications, typically indoors. It incorporates a 1.5m hard wired mains connection cable.

Aquacell S100

The Aquacell S100 shares the same attributes as the S50 with the addition of a high impact lockable Front Cover that provides both weather and tamper protection, a pluggable 1.5m mains connection cable and a quick release wall mount.

sira Certification Service ISO 9001:2008 Registered Company

sira Certification Service ISO 14001:2004 Registered Company

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

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www.aquamaticsamplers.com

AQUAMATIC
Wastewater Samplers for the World

Aquacell S50

Aquacell S100

MODEL	S50	S100
GENERAL		
MCERTS compliant	Yes	Yes
Sample temperature control	No	No
Sample frost protection	No	No
Suitable for outdoor use	No	Yes
Intake hose length	5m	10m
DIMENSIONS/WEIGHTS		
Size (mm)	H290 W290 D240	H330 W300 D250
Weight excluding container and options (Kg)	7.5	8.0
POWER OPTIONS		
Integral Battery 12VDC 7Ah	Opt	Opt
Mains 110/220/230VAC 50Hz	Yes	Yes
Float Charged Backup Battery (12VDC 7Ah)	Opt	Opt
Separate 12VDC	Opt	Opt
POWER CONSUMPTION (VA)		
@110VAC (max. inrush current (A) in brackets)	60 (5)	60 (5)
@220VAC (max. inrush current (A) in brackets)	60 (5)	60 (5)
@230VAC (max. inrush current (A) in brackets)	60 (5)	60 (5)
ENVIRONMENTAL		
IP Rating	50	55
Minimum ambient working temperature °C	-10	-10
SAMPLE COLLECTION VESSELS		
2.5, 5 and 10 litre HDPE Bottles	Opt	Opt
25 litre MDPE Bottle	Opt	Opt
2 x 4.5 litre Self-Emptying Polypropylene Bottler	Opt	Opt
4 x 5 litre Glass Bottler	Opt	Opt
4 x 5 litre HDPE Bottler	Opt	Opt
12 x 0.75 litre Glass Bottler	Opt	Opt
12 x 1 litre PET Bottler	Opt	Opt
24 x 1 litre HDPE Bottler	Opt	Opt
OPTIONAL EQUIPMENT		
Ancilliary Signal Connection (for flowmeters, pH meters, PLC's etc)	Opt	Opt
Bottler Connection	Opt	Opt
Data Connection	Opt	Opt
Sample Temperature Monitoring	Opt	Opt
Contamination Shield	Opt	Yes
Quick Release Wall Bracket	Opt	Yes
Sample Container Suspension Bracket	Opt	Opt
Pressurised Pipeline Interface	Opt	Opt

Product Features Key


Stationary


Wall Mounted


Indoor Only


Indoor & Outdoor


Suitable for Multiple Bottles


Can be used with Pressurised Pipeline Interface

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Version 1f/08-15

PRODUCT CONFORMITY CERTIFICATE

This is to certify that the

Portable Automatic Wastewater Samplers
Aquacell P2-COMPACT, Aquacell P2-COOLBOX,
Aquacell P2-MULTIFORM

Stationary Automatic Wastewater Samplers
Aquacell S50, Aquacell S100 & Aquacell S200 (Formally S2R),
Aquacell S310, S310H, S320, S320H & S320H+S50
Aquacell S510, S510H, S520 & S520H

manufactured by:

Aquamatic Ltd
Irlam Business Centre
Soapstone Way, Irlam
Manchester
M44 6GP, UK

has been assessed by Sira Certification Service
and for the conditions stated on this certificate complies with:

MCERTS Performance Standards for Continuous Water Monitoring Systems, Automatic Water Sampling Equipment Part 1, Version 3.1 dated July 2015 & EN 16479:2014

Certification Range :

Lift height 0 to 7 metres (AC mains powered)
0 to 5 metres (Battery powered)

Sample line diameter nominally 12.5mm ID

Project No:	70038165
Certificate No:	Sira MC050059/18
Initial Certification:	29 June 2005
This Certificate Issued	27 May 2016
Renewal Date:	28 June 2020

Emily Alexander BSc (Hons)
Deputy Certification Manager

MCERTS is operated on behalf of the Environment Agency by

Sira Certification Service
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
Tel: +44 (0)1244 670 900

Approved Site Application

Any potential user should ensure, in consultation with the manufacturer, that the monitoring system is suitable for the intended application. For general guidance on monitoring techniques refer to the Environment Agency Monitoring Technical Guidance Notes available at www.mcerts.net

The product is suitable for use on applications for compliance with the Urban Wastewater Treatment Regulations.

The P2-COMPACT, P2-MULTIFORM, S50 and S100 samplers are suitable for applications where the wastewater being sampled is not required to be refrigerated.

The P2-COOLBOX is a portable sampler designed to operate at sites where the sample must be kept cool but there may be no power available. The manufacturer states that sampling of wastewater for compliance with the Urban Wastewater Treatment Regulations is the most common application for the sampler. This unit is suitable for applications where the wastewater being sampled is required to be stored at a nominal 4˚C

The S200 (formally S2R) is a floor standing stationary sampler with the sampler module mounted to the top of a cabinet refrigerator intended for indoor sites where samples are biological and required to be stored at a nominal 4˚C

The S310 sampler is designed for mainly indoor sites where the ambient temperature is between +5˚C and +50˚C. The sampler is suitable for applications where the wastewater being sampled is not required to be refrigerated.

The S310H sampler is designed for mainly outdoor sites where the ambient temperature is between -10˚C and +40˚C as standard (+50˚C where specified). The sampler is suitable for applications where the wastewater being sampled is not required to be stored at 4˚C

The S320 sampler is designed for mainly indoor sites where the ambient temperature is between +5˚C and +40˚C. The sampler is suitable for applications where samples are biological and required to be stored at a nominal 0-5˚C.

The S320H (and S320H+S50) sampler is designed for mainly outdoor sites where the ambient temperature is between -10˚C and +40˚C as standard (+50˚C where specified). The sampler is suitable for applications where samples are biological and required to be stored at a nominal 0-5˚C.

The S510 sampler is designed for mainly indoor sites where the ambient temperature is between 0˚C and +50˚C. The sampler is suitable for applications where the wastewater being sampled is not required to be refrigerated.

The S510H sampler is designed for mainly outdoor sites where the ambient temperature is between -10˚C and +50˚C. The sampler is suitable for applications where the wastewater being sampled is not required to be refrigerated.

The S520 sampler is designed for mainly indoor sites where the ambient temperature is between +5˚C and +30˚C. The sampler is suitable for applications where samples are biological and required to be stored at a nominal 4˚C

The S520H sampler is designed for mainly outdoor sites where the ambient temperature is between -10˚C and +50˚C. The sampler is suitable for applications where samples are biological and required to be stored at a nominal 4˚C

Basis of Certification

This certification is based on the following Test Report(s) and on Sira's assessment and ongoing surveillance of the product and the manufacturing process:

WRc report	Ref: UC 3867 dated June 2001
WRc report	Ref: UC 3379 dated May 1999
Polestar Cooling Ltd report	dated November 2005
Polestar Cooling Ltd report	Ref: 003 dated March 2007
Sira Report	Report number 16W22378 dated 22 October 2010
Sira Report	Power Performance Test V3 dated 25 September 2015
Sira Report	DC Power Performance V1 dated 27 April 2016
Sira Report	Impulse trigger sampling report, V1 dated 17 May 2016

Product Certified

The Aquamatic Sampler consists of the following parts:

- Aquacell P2 or SXXXX
- Aquamatic nominal 12V Battery

This certificate applies to all products with serial number 0219 onwards (Each Aquacell sampler has a serial number comprising the core serial number with prefix and suffix to describe the model and various build options).

Certified Performance

The instrument was evaluated for use under the following conditions:
Ambient Temperature Range: -10˚C to +40˚C

The following results are on the P2 Coolbox waste water sampler unless otherwise stated.

Test	Results	MCERTS specification
Sample Collection	Option for both timed and flow proportional sampling.	Clause 3.1.2
Sample interval • Time proportional sampling • Flow proportional sampling	Sample Interval range 1min to 99hrs 99mins 1min interval is selectable 4-20mA and pulse inputs accepted Number of pulses per sample adjustable	Clause 3.1.2
Sample failure	Warning given on display both while programme is running and when complete.	Clause 3.1.2
Sample line diameter	Intake line: Nominally 12.5mm ID	Clause 3.1.2 >9mm
Sample volume	Sample volume adjustable	Clause 3.1.2
Maximum volume of a discrete sample that can be set Total storage capacity both by numbers and volumes of individual bottles and in a composite container	500ml 5 litre composite container	Clause 3.1.2
Maximum sampling head	7 metres (AC mains powered) 5 metres (Battery powered)	Clause 3.1.2
Sampling volume error a) Time Proportional	U* / X* 1m 1.53 / 1m 4.28 3.5m 4.57 / 3.5m 4.54 7m 4.31 / 7m -2.39 Average: 3.47 / Average: 3.74	Clause 6.4.1.1 <5% Note 1

Certificate No: Sira MC050059/18
This Certificate Issued: 27 May 2016

Test	Results	MCERTS specification
Sampling principles	All available sampling principles were tested. Clause 6.4.2.2 was fulfilled using data from 6.4.1.1. No significant timing errors were seen.	Clause 6.4.2
Sample line velocity	0.82 m/s at 1m sampling head 0.71 m/s at 2m sampling head 0.61 m/s at 3m sampling head 0.59 m/s at 4m sampling head 0.56 m/s at 5m sampling head 0.53 m/s at 6m sampling head 0.50 m/s at 7m sampling head	Clause 6.4.3 >0.5m/s Note 2
Supply voltage *AC (206 to 230V / 100 to 110 V)** *Battery (11.5 to 14.6V)** *Tested ranges	0 to 7 metre – >0.50 m/s 0 to 5 metre – >0.50 m/s	Clause 6.4.4 >0.5 m/s >0.5 m/s Note 3
Sample integrity	No statistically significant difference found in the analysis for suspended solids, total N, total P, BOD and COD	Clause 6.4.5 Annex B5
Sample timing error	1 sec/24hr	Clause 6.4.6 < ±10 sec/24hr
Sample temperature control a) without sample temperature control: effect on volume	Not tested: Sample volume is calculated according to a volume control tube, which would not be affected by ambient temperature	Clause 6.4.7.2 ±5%
Sample temperature control P2 Coolbox b) with sample temperature control (maintain sample between 0°C to 5°C)	During sample period: / 24hrs after sample period: 3.22°C at –10°C / 0.63°C at -10°C 3.74°C at 15°C / 0.82°C at 15°C 4.12°C at 40°C / 1.77°C at 40°C At the end of the tests at -10°C it was observed that a thin layer of ice had formed on the sample, the data indicated that freezing may have begun approximately 16 to 18 hours after the completion of the sampling period.	Clause 6.4.7.3 Maintain sample between 0°C to +5°C Annex B7

Test	Results		MCERTS specification
Sample temperature control S2-R b) with sample temperature control (maintain sample between 0ºC to 5ºC)	During sample period: 4.95ºC at –10ºC 4.65ºC at 15ºC 4.75ºC at 40ºC	24hrs after sample period: 2.65ºC at -10ºC 2.15ºC at 15ºC 1.85ºC at 40ºC	Clause 6.4.7.3 Maintain sample between 0ºC to +5ºC Annex B7
	An initial test carried out at +40 ºC, with the removable lid fitted to the sample bucket and the sample line inserted through the spout, gave an average sample temperature of 5.6 ºC during the sampling period. Aquamatic advised that for full cooling efficiency the lid should be removed from the bucket when it is placed in the sampler and subsequently refitted prior to removing the bucket at the end of a sampling run. The tests were therefore carried out with the bucket removed. The removal of the lid, whilst improving the cooling efficiency, does increase the risk of splashing and spillage of the contents		
Sample temperature control S500 range b) with sample temperature control (maintain sample between 0ºC to 5ºC)	During sample period: 4.75ºC at –10ºC 4.55ºC at 20ºC 4.67ºC at 40ºC	24hrs after sample period: 2.85ºC at -10ºC 2.53ºC at 20ºC 2.98ºC at 40ºC	Clause 6.4.7.3 Maintain sample between 0ºC to +5ºC Annex B7
Sample temperature control S300 range b) with sample temperature control (maintain sample between 0ºC to 5ºC)	During sample period: 4.67ºC at –10ºC 4.19ºC at 20ºC 4.52ºC at 40ºC	24hrs after sample period: 2.77ºC at -10ºC 2.17ºC at 20ºC 2.83ºC at 40ºC	Clause 6.4.7.3 Maintain sample between 0ºC to +5ºC Annex B7

Note 1: *U: Expanded uncertainty

*X: Mean error

Note 2: Requirement fulfilled using test data from original certification to previous version of the MCERTS standard

Note 3: MCERTS minimum requirements were not met above 5m lift height for battery powered samplers. The certification range is therefore restricted to 0 to 5m for battery powered samplers (please note, the power supply test 6.4.4 is new to V3.1 of the MCERTS performance standard).

Description:

Aquacell P2-COMPACT wastewater sampler

The P2 COMPACT wastewater sampler extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits them into a 5 litre sample collection vessel contained within a plastic support structure. In this way the user is provided with a representative sample of the wastewater discharge. The sampler weighs 6 kg (excluding collection vessel) and can be operated from either battery (supplied by Aquamatic) or mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP65 rated and is equally suited to indoor or outdoor use.

Aquacell P2-COOLBOX wastewater sampler

The P2 COOLBOX wastewater sampler extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits them into a 5 litre sample collection vessel contained within a cooled insulated housing. In this way the user is provided with a representative sample of the wastewater discharge, which the manufacturer states can be stored up to 7 days* between 0^{o}C and 5^{o}C (this is the optimum storage temperature for biodegradable samples to ensure minimum sample degradation). Cooling is provided by a pair of cooling elements which are frozen, prior to their deployment in the sampler's container housing.

The sampler weighs 17.7 Kg (excluding collection vessel) and can be operated from either battery (supplied by Aquamatic) or mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP65 rated and is equally suited to indoor or outdoor use.
* This figure is dependent on the sampler's operating parameters and the ambient temperature. It is provided only as a guide.

Aquacell P2-MULTIFORM wastewater sampler

The P2 MULTIFORM wastewater sampler extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (25L, 12 x 0.7L, 12 x 1L, 24x 0.9L).

The sample collection vessel is contained within a tubular metal support structure. In this way the user is provided with a representative sample of the wastewater discharge. The sampler weighs 6.5 kg (excluding collection vessel) and can be operated from either battery (supplied by Aquamatic) or mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP65 rated and is equally suited to indoor or outdoor use.

Aquacell S50 & S100 wastewater samplers

The S50 and S100 wastewater samplers extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (25L,2 x 4.5L, 4 x 4.5L, 4 x 5L, 12 x 0.7L, 12 x 1L, 24 x 0.9L).

The sample collection vessel is supported independently of the sampler. In this way the user is provided with a representative sample of the wastewater discharge. The sampler weighs 7.5 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP65 rated and is equally suited to indoor or outdoor use.

Aquacell S200 (formally S2R) wastewater sampler

The S2-R wastewater sampler extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (25L,2 x 4.5L, 4 x 4.5L, 4 x 5L, 12 x 0.7L, 12 x 1L, 24 x 0.9L).

The sample collection vessel is contained within a temperature-controlled housing. In this way the user is provided with a representative sample of the wastewater discharge, preserved at a temperature between 0°C and 5°C (this is the optimum storage temperature for biodegradable samples to ensure minimum sample degradation). The sampler weighs 46 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is not IP rated, and is designed for indoor applications only.

Aquacell S310 wastewater sampler

The S310 wastewater sampler comprises a metal cabinet (Choice of galvanised steel powder coated white, stainless steel or stainless steel powder coated white) divided into separately lockable upper sampler compartment, and lower sample collection vessel compartment. It extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (10L, 25L, 2 x 4.5L, 4 x 4.5L, 4x 5L, 12 x 0.7L, 12 x 1L, 24 x 1L). Plus a choice of integral sample collection vessels (2 x 4.5L 4 x 4.5L, 4x 5L, 4 x 12L, 12 x 1L, 24 x 1L).

The sample collection vessel is contained within an insulated housing. In this way the user is provided with a representative sample of the wastewater discharge. The sampler weighs approximately 101 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP54 rated* and is designed for mainly indoor applications

Aquacell S310H wastewater sampler

The S310H wastewater sampler comprises a metal cabinet (Choice of galvanised steel powder coated white, stainless steel or stainless steel powder coated white) divided into separately lockable upper sampler compartment, and lower sample collection vessel compartment. It extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (10L, 25L, 4 x 4.5L, 4x 5L, 12 x 0.7L, 12 x 1L, 24 x 1L). Plus a choice of integral sample collection vessels (2 x 4.5L 4 x 4.5L, 4x 5L, 4 x 12L, 12 x 1L, 24 x 1L).

The sample collection vessel is contained within an insulated housing. In this way the user is provided with a representative sample of the wastewater discharge. The sampler weighs approximately 103 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP54 rated* and is designed for mainly outdoor applications (*Incorporates Aquacell Sampler Module rated at IP65).

Aquacell S320 wastewater sampler

The S320 wastewater sampler comprises a metal cabinet (Choice of galvanised steel powder coated white, stainless steel or stainless steel powder coated white) divided into separately lockable upper sampler compartment, and lower sample collection vessel compartment. It extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (10L, 25L, 4 x 4.5L, 4x 5L, 12 x 0.7L, 12 x 1L, 24 x 1L). Plus a choice of integral sample collection vessels (2 x 4.5L 4 x 4.5L, 4x 5L 4 x 12L, 24 x 1L).

The sample collection vessel is contained within a temperature-controlled housing. In this way the user is provided with a representative sample of the wastewater discharge, preserved at a temperature between 0ºC and 5ºC (this is the optimum storage temperature for biodegradable samples to ensure minimum sample degradation). The sampler weighs approximately 118 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP54 rated* and is designed for mainly indoor applications

Aquacell S320H wastewater sampler

The S320H wastewater sampler comprises a metal cabinet (Choice of galvanised steel powder coated white, stainless steel or stainless steel powder coated white) into separately lockable upper sampler compartment, and lower sample collection vessel compartment. It extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (10L, 25L, 4 x 4.5L, 4x 5L, 12 x 0.7L, 12 x 1L, 24 x 1L). Plus a choice of integral sample collection vessels (2 x 4.5L 4 x 4.5L, 4x 5L 4 x 12L, 24 x 1L).

The sample collection vessel is contained within a temperature-controlled housing. In this way the user is provided with a representative sample of the wastewater discharge, preserved at a temperature between 0ºC and 5ºC (this is the optimum storage temperature for biodegradable samples to ensure minimum sample degradation). The sampler weighs approximately 120 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP54 rated* and is designed for mainly outdoor applications

All models have data logging facilities (with optional RS232 interface), to record when samples are extracted and to register fault conditions occurring during the sampling routine. There is also an option to record the temperature of the composite sample (P2-COOLBOX only).

Aquacell S320H+S50 wastewater sampler combination

The S320H+S50 wastewater sampling combination comprises a metal cabinet (Choice of galvanised steel powder coated white, stainless steel or stainless steel powder coated white) with separately lockable upper sampler compartment (containing an S50 sampling module housed adjacent to an S320H sampling module), and lower sample collection vessel compartment. It extracts two individual samples from wastewater channel(s) or vessel(s), according to pre-determined programs individually set on each sampling module, and deposits into various options of removable sample collection vessels (2.5L, 5L, 10L, 12L, 25L).

The sample collection vessel is contained within a temperature-controlled housing. In this way the user is provided with a representative sample of the wastewater discharge, preserved at a temperature between 0ºC and 5ºC (this is the optimum storage temperature for biodegradable samples to ensure minimum sample degradation). The sampler weighs approximately 128 kg (excluding collection vessel)

and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP54 rated* and is designed for mainly outdoor applications

All models have data logging facilities (with optional RS232 interface), to record when samples are extracted and to register fault conditions occurring during the sampling routine. There is also an option to record the temperature of the composite sample. Data logging and sample temperature recording are available independently on each sampling module.

Aquacell S510 wastewater sampler

The S510 wastewater sampler comprises a stainless steel cabinet divided into separately lockable upper sampler compartment, and lower sample collection vessel compartment. It extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (10L, 25L, 2 x 4.5L, 4 x 4.5L, 4x 5L, 12 x 0.7L, 12 x 1L, 24 x 0.9L). Plus a choice of integral sample collection vessels (4 x 12L, 24 x 1L).

The sample collection vessel is contained within an insulated housing. In this way the user is provided with a representative sample of the wastewater discharge. The sampler weighs approximately 170 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP55 rated and is designed for mainly indoor applications

Aquacell S510H wastewater sampler

The S510H wastewater sampler comprises a stainless steel cabinet divided into separately lockable upper sampler compartment, and lower sample collection vessel compartment. It extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (10L, 25L, 2 x 4.5L, 4 x 4.5L, 4x 5L, 12 x 0.7L, 12 x 1L, 24 x 0.9L). Plus a choice of integral sample collection vessels (4 x 12L, 24 x 1L).

The sample collection vessel is contained within an insulated housing. In this way the user is provided with a representative sample of the wastewater discharge. The sampler weighs approximately 170 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP55 rated and is designed for mainly outdoor applications.

Aquacell S520 wastewater sampler

The S520 wastewater sampler comprises a stainless steel cabinet divided into separately lockable upper sampler compartment, and lower sample collection vessel compartment. It extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (10L, 25L, 2 x 4.5L, 4 x 4.5L, 4x 5L, 12 x 0.7L, 12 x 1L, 24 x 0.9L). Plus a choice of integral sample collection vessels (4 x 12L, 24 x 1L).

The sample collection vessel is contained within a temperature-controlled housing. In this way the user is provided with a representative sample of the wastewater discharge, preserved at a temperature between 0°C and 5°C (this is the optimum storage temperature for biodegradable samples to ensure minimum sample degradation). The sampler weighs approximately 190 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP55 rated and is designed for mainly indoor applications

Aquacell S520H wastewater sampler

The S520H wastewater sampler comprises a stainless steel cabinet divided into separately lockable upper sampler compartment, and lower sample collection vessel compartment. It extracts individual samples from a wastewater channel or vessel, according to a predetermined programme and deposits into various options of detachable sample collection vessels (10L, 25L, 2 x 4.5L, 4 x 4.5L, 4x 5L, 12 x 0.7L, 12 x 1L, 24 x 0.9L). Plus a choice of integral sample collection vessels (4 x 12L, 24 x 1L).

The sample collection vessel is contained within a temperature-controlled housing. In this way the user is provided with a representative sample of the wastewater discharge, preserved at a temperature between 0°C and 5°C (this is the optimum storage temperature for biodegradable samples to ensure minimum sample degradation). The sampler weighs approximately 190 kg (excluding collection vessel) and can be operated from either mains power, or a combination of mains with standby battery (supplied by Aquamatic). The manufacturer states that the equipment is IP55 rated and is designed for mainly outdoor applications

General Notes

1. This certificate is based upon the equipment tested. The Manufacturer is responsible for ensuring that on-going production complies with the standard(s) and performance criteria defined in this Certificate. The Manufacturer is required to maintain an approved quality management system controlling the manufacture of the certified product. Both the product and the quality management system shall be subject to regular surveillance according to 'Regulations Applicable to the Holders of Sira Certificates'. The design of the product certified is defined in the Sira Design Schedule V10 for certificate No. Sira MC 050059/18

2. If certified product is found not to comply, Sira Certification Service should be notified immediately at the address shown on this certificate.

3. The Certification Marks that can be applied to the product or used in publicity material are defined in 'Regulations Applicable to the Holders of Sira Certificates'.

4. This document remains the property of Sira and shall be returned when requested by the company.