

WASTEWATER SAMPLERS – STATIONARY RANGE

Models: AQUA-S200, AQUA-S320, AQUA-S320H

The ECD Analyzers range of stationary, refrigerated wastewater samplers consists of three models, the AQUA-S200, the AQUA-S320 and the rugged outdoor AQUA-S320H. At the heart of each is the well proven AQUA Sampling Module, a robust and reliable 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 the AQUA Module provides for an extremely accurate, reliable, representative and repeatable sample. Programming set-up and daily operation have been designed to be as simple and intuitive as possible for the user.

Sample extraction can be time based or triggered by external sources such as flow meters, level sensors, pH meters, PLC's etc.

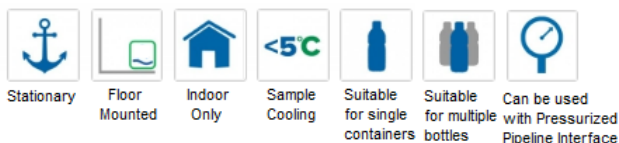
AQUA-S200, AQUA-S320 and AQUA-S320H Samplers can extract samples from both non-pressurized and pressurized (when specified with a Pressurized Pipeline Interface) effluent sources.

AQUA-S200

The S200 Sampler is the refrigerated solution for an indoor, secure location.



The Sampler Module is mounted separately above the lockable, high-performance, refrigeration compartment so it can be programmed and/or interrogated without disturbing the temperature controlled samples. The AQUA-S200 can be combined with any of the nonintegral range of Sample Collection Vessels. Additionally, this model can be combined with an optional, lockable, tamperproof Sampler Module Front Cover.



AQUA-S320

AQUA-S320H

There are two refrigerated models available in the AQUA-S300 Series, the AQUA-S320 for indoor applications only and the AQUA-S320H for outdoor.

Both models are based around the same high performance AQUA-S300 cabinet. All electronic equipment is protected in the upper compartments, while collected samples are kept separately and securely in the lockable, temperature controlled, lower compartment.

Both the AQUA-S320 and AQUA-S320H models can be used with the full range of Sample Collection Vessels, including Integral Bottlers, which are supplied with a Pull-out Tray for easy access to the sample collection bottles.



- 
Stationary
- 
Floor Mounted
- 
Indoor Only
- 
Sample Cooling
- 
Sample Frost Protection
- 
Suitable for single containers
- 
Suitable for multiple bottles
- 
Can be used with Pressurized Pipeline Interface

- 
Stationary
- 
Floor Mounted
- 
Indoor & Outdoor
- 
Sample Cooling
- 
Sample Frost Protection
- 
Suitable for single containers
- 
Suitable for multiple bottles
- 
Can be used with Pressurized Pipeline Interface



Sampler Inspection Window



Pull-out Tray



Pressurized Pipeline Interface



Auxiliary Equipment IP66 Enclosure

MODEL	AQUA-S200	AQUA-S320	AQUA-S320H
GENERAL			
Sample Temperature Control	Yes	Yes	Yes
Sample frost protection	No	No	Yes
Suitable for outdoor use	No	No	Yes
DIMENSIONS / WEIGHTS			
Size in (mm) measured with standard base fitted	H 49.2 (1250) W 19.7 (500) D 23.6 (600)	H 57 (1450) W 33.5 (850) D30 (765)	H 57 (1450) W 33.5 (850) D 35.4 (900)
Weight excluding container and options lbs (Kg)	101 (46.0)	260 (118)	265 (120)
POWER OPTIONS			
Mains 110/220/230VAC 50/60Hz	Yes	Yes	Yes
Floated charged backup battery (12VDC 7 Ah)	Opt	Opt	Opt
POWER CONSUMPTION (VA)			
@110VAC (max. inrush current (A) in brackets)	380 (24)	665 (24)	910 (24)
@220VAC (max. inrush current (A) in brackets)	295 (9)	570 (9)	765 (9)
@230VAC (max. inrush current (A) in brackets)	315 (9)	615 (9)	830 (9)
ENVIRONMENTAL			
IP Rating	50	50	54
Minimum ambient working temperature °F (°C)	41 (5)	41 (5)	14 (-10)
Maximum ambient working temperature °F (°C)	104 (40)	104 (40)	104 (40)* *122 (50) on request
SAMPLE COLLECTION VESSELS			
2.5, 5, 10, 26 L HDPE Container	Opt	Opt	Opt
2 x 4.5 L Self-Emptying Polypropylene Bottler with/without optional cleaning	No	Opt	Opt
2 x 5 L HDPE Bottler (Removable & Integral)	No	Opt	Opt
4 x 2.27 L Glass Bottler (Removable & Integral)	Opt	Opt	Opt
4 x 5 L HDPE Bottler (Removable & Integral)	Opt	Opt	Opt
4 x 5 L Glass Bottler (Integral only)	No	Opt	Opt
4 x 6.4 L HDPE Bottler (Integral only)	Opt	No	No
4 x 10 L HDPE Bottler (Integral only)	No	Opt	Opt
12 x 1 L HDPE Bottler (Integral only)	No	Opt	Opt
8 x 2.8 L Bottler (Integral only)	Opt	Opt	Opt
4 x 15 L Bottler (Integral only)	Opt	Opt	Opt
12 x 1 L PET Bottler (Removable only)	Opt	Opt	Opt
12 x 0.75 L Glass Bottler (Removable only)	Opt	Opt	Opt
24 x 1 L HDPE Bottler (Removable only)	Opt	Opt	Opt

			
Single Container (2.5, 5, 10, 26 L)	Integral Bottler: 4 x 5-liter Glass	Integral Bottler: 4 x 10-liter HDPE	Integral Bottler: 8 x 2.8-liter HDPE
			
Integral Bottler: 2 x 4.5 liter Self-Emptying Self-Cleaning	Integral Bottler: 12 x 1-liter HDPE	Integral Bottler: 12 x 1-liter Glass	Removable Bottler: 24 x 1-liter HDPE

OPTIONAL EQUIPMENTS			
Ancillary Signal Connection (for flowmeters, pHmeters, PLC's,...)	Opt	Opt	Opt
Beacon	No	Opt	Opt
Bottler Connection	Opt	Opt	Opt
Data Download Connection	Opt	Opt	Opt
Interior Lightning (S300)	No	Opt	Opt
Sample Temperature Monitoring Connection	Opt	Opt	Opt
Transportation Castors	No	Opt	Opt
Auxiliary Equipment Enclosure	No	Opt	Opt
Upper Protection Door	No	Opt	Yes
Pull Out Tray (standard with Integral Bottlers)	No	Opt	Opt
Sampler Inspection Window (for Upper Door)	No	Opt	Opt
Wastewater Drain	No	Opt	Opt

www.ECDanalyzers.com

ECD
ANALYZERS