

Technical Data

Enclosure	
Dimensions (mm)	1000 x 690 x 620 (HxWxD)
Material	Mix of virgin P4 & recycled P4 (PE). Fully recyclable, maximum re-usable. Door with support frame.
View window	Polycarbonate
Insulation	P4 Foam thickness. Up To 90 mm
Ambient temp (operating)	-20 °C till + 40 °C
Direct sun	Allowed, avoid if possible to optimise cooler
Power supply	230V ac / 6A / ± 300W
Internal power	ULV 24 VDC 10/20 A depending model

General	
Single bottles	1x 20 L or 1 x 50L
Multi bottles	2 x 30L / 4x20L / 6x10L / 12x2L / 24x1L
Auto clean / drain	2x10L container
Missed samples	Count & give alarm
Overflow protection	Next container or stop sampling
Delay start	Programmable
Manual sample	Via button on home screen
Remote control (available on Siemens versions + router)	Settings changeable and data can be read. Software can be upgraded.

Refrigeration	
Plug In cooler	Purpose-built, easily replaceable & repairable unit body P4 with foamed P4, rain cover SS316, ± 32Kg
Operating class	SN T ambient max 40°C
Coolant	32 gram, R290, global warming potential 3, PFAS free
Evaporator (inside cooler compartment)	Coil & cover SS316 embedded in PE frame. Filling: IP 68 temp. & sealing gel.
Compressor section (outside ambient contact area)	Coated condenser, SS piping, sealed of capillary top-mounted with a rain-protected area.
Fan	IP68, 12 VDC, 120x120 mm rain covered
Cool temperature	3- 5 °C acc. EN 16479 / ISO 5667 / NEN 6600-1
Heater	± 40 Watt sealed in temp. gel
Temp control	Programmable via display
Compressor brand	24 VDC SECOP with AEO electronics.

Vacuum Sampler	
Max lift	8m
Lift velocity	+0,5 m/s (see manual for velocity tests)
Purge, suction, dose time	Adjustable
Max length	30m
Inlet hose	16 x 13 mm
Sample volume	20 ml to 250 ml adjustable via pipe
Pincher	Air powered pinch valve
Operating principle	Single or dual pump & 3 SS operating valves
Level sensor	Adjustable conductivity relays (2x)
Wetted parts	PE / SI / SS316 / PVC / POM / PC

Inline Pneumatic Sampler	
Principle	Piston or Guillotine cutter
Air supply	6-8 bar conditioned
Max pipe pressure	3 Bar optional 6 bar
Sample volume	50 ml (fixed)
Wetted parts	Choose between: PE / SI / SS316 / PTFE / FKM PE / SI / SS316 / EPDM (max temp 40 °C)
Min pipe diameter	100mm (smaller use Samptec fittings)

Inline Electric Sampler	
Principle	Piston or Guillotine cutter
Air supply	Not required
Max pipe pressure	3 Bar optional 6 bar
Sample volume	50 ml (fixed)
Wetted parts	Choose between: PE / SI / SS316 / PTFE / FKM PE / SI / SS316 / EPDM (max temp 40 °C)
Min pipe diameter	100mm (smaller use Samptec fittings)

SIRIS

ENVIRONMENTAL



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Wastewater Sampling Solutions

SIRIS Samptec Samplers

Wastewater samplers are used to determine the nature of effluent being discharged to receiving waters. SIRIS provides a range of wastewater samplers to suit either open channel or closed pipe applications.

The sampler units come in a range of formats and can be programmed to sample on a time or flow proportional basis.



Open Source 'Vacuum' Samplers

The SIRIS Samptec open channel vacuum sampler is our trusted wastewater sampler and is used by both water authorities and industrial clients across the UK and the rest of the world.



Application:

- Open channels

Key Features:

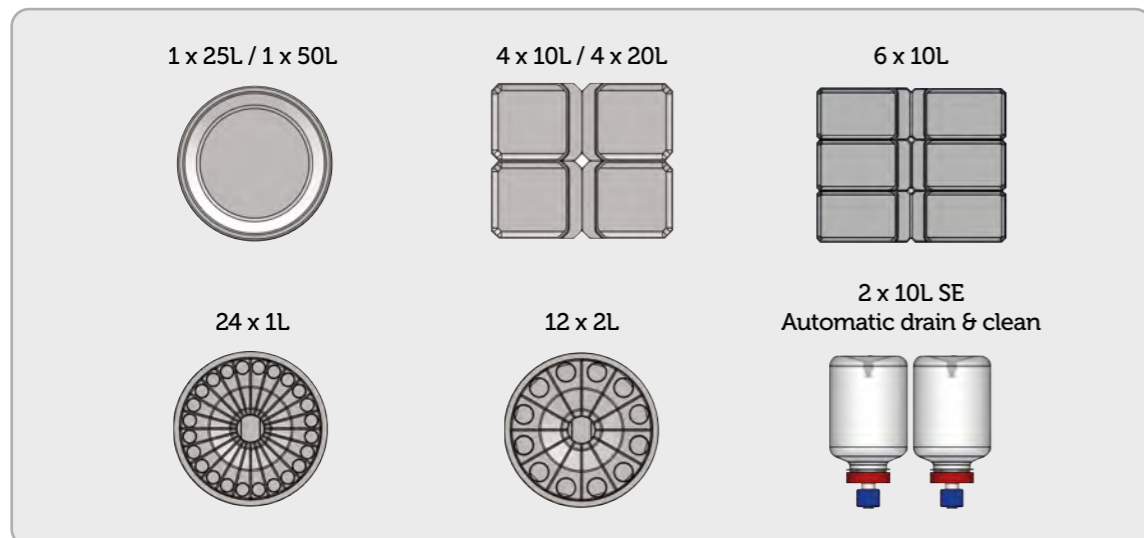
- Robust outdoor PE enclosure made with recycle plastic
- Removable and reusable cooler with SS316 evaporator
- Future proof cool refrigerant R290a with a GWP of 3
- Easily exchangeable modular vacuum and valve section
- Safety first ULV hardware 24VDC
- User & maintenance friendly

Frequently Used Options:

- Samptec distributor set (4x20L or 4x10L or 6x10L or 12x2L or 24x1L)
- Samptec distributor set (2x10L auto clean / auto drain)
- Siemens PLC upgrade (for O.A. data logging / integrated flow formulas and more, see upgrade sheet)
- Remote access to the sampler online (only in combination with Siemens PLC)

Container Options

SIRIS Samptec samplers offer a wide choice of container configurations for sample storage. Options range from a single 20-litre composite container through to a 24-bottle system, allowing the format to be tailored to specific sampling requirements. A twin 10-litre automatic self-cleaning and draining system is also available to minimise operator intervention.

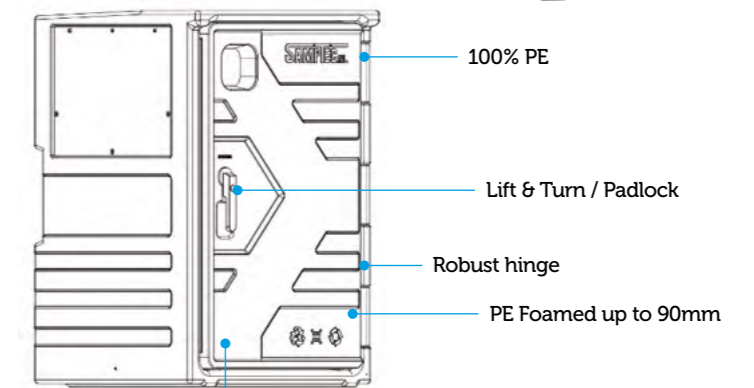
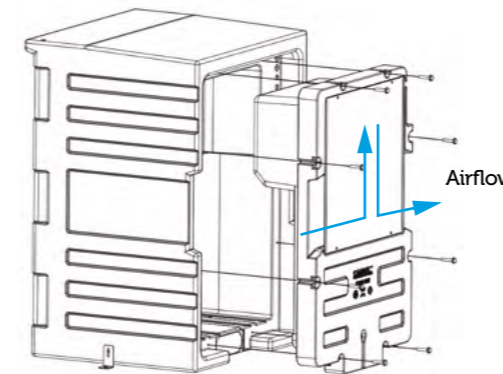


Closed Pipe In-Line Samplers

Sampling from a closed conduit has often presented challenges. Traditional open-channel samplers, when adapted, usually result in a "square peg in a round hole" type of solution.

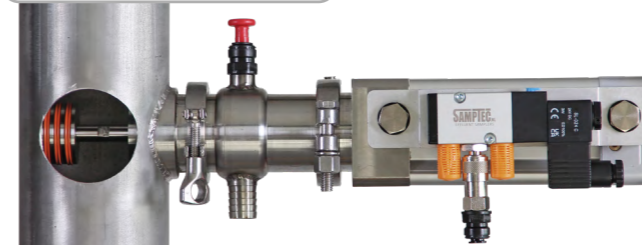
The SIRIS Samptec inline samplers are purpose-designed for taking samples directly from closed and pressurised pipelines.

It is frequently combined with an electromagnetic flow meter, enabling fully flow-proportional sampling in line with EN 16479.



Stainless steel reinforced door

PP3 PIN sampler treated water up to 3 bar



GP3 Raw wastewater up to 3 bar



GE3 Raw wastewater 24VDC Electric Version



Application:

- Closed pipes / pressurised pipes

Key Features:

- Robust outdoor PE enclosure made with recycled plastic
- Removable and reusable cooler with SS316 evaporator
- Future proof cool refrigerant R290a with a GWP of 3
- Separate sampling assembly (pneumatic or electric)
- Safety first ULV hardware 24VDC
- User & maintenance friendly

Frequently Used Options:

- Samptec distributor set (4x20L or 4x10L or 6x10L or 12x2L or 24x1L)
- Samptec distributor set (2x10L Auto clean / Auto drain)
- Upgrade to electric version for sites without compressed air
- Upgrade to 6 bar pipe pressure version
- Build in Systembox with SS316 pipe work
- Siemens PLC upgrade (for O.A. data logging / integrated flow formulas and more, see upgrade sheet)
- Remote access to the sampler online (only in combination with Siemens PLC)