

Peristaltic wastewater Samplers

acc. ISO 5667 / EN 16479 / NEN 6600-1

SAMPTEC.NL

Next generation samplers, sustainable by design!

- ✓ Future focussed
- ✓ Recyclable cabinet
- ✓ R290 - GWP3 refrigerant



Samptec samplers consist:

- ✓ Robust outdoor PE enclosure made with recycled plastic / fully recyclable
- ✓ Easy removable cooler / reusable cooler with SS316 evaporator
- ✓ Future proof cool refrigerant R290a GWP 3
- ✓ Safety first, ULV hardware 24VDC
- ✓ User & maintenance friendly



Container options

1 x 25L / 1 x 50L



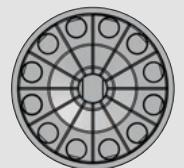
4 x 10L / 4 x 20L



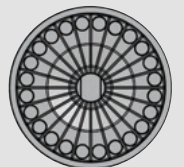
6 x 10L



12 x 2L

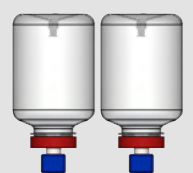


24 x 1L



2 x 10L SE

automatic Drain & Clean



Samptec PLC

Sample on:	Flow pulse / Flow current / Time / Batch
Next container on:	Time / Overflow protection
Scheduler:	Start on date
Temperature control:	Cool unit & heater



Upgrade to **SIEMENS S7 - 1200 + MTP400**

- + Standard functions
- + Logging of flow & samples direct on usb
- + Sample on calendar
- + Open channel flowmeter
- + Remote control via Lan or SIM card
- + Pump controller
- + Siemens full options
- + Custom software on request



Product patented



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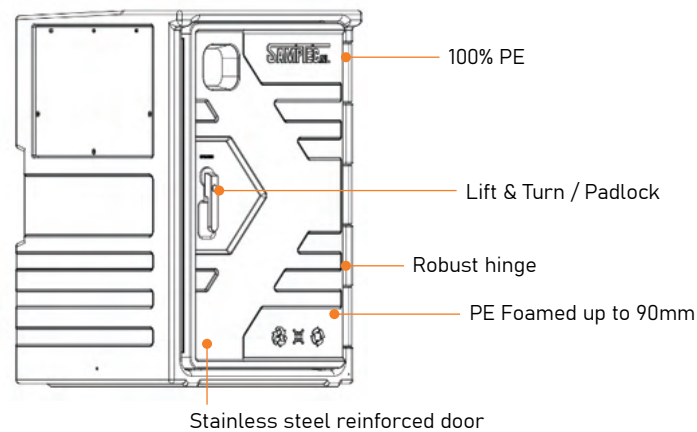
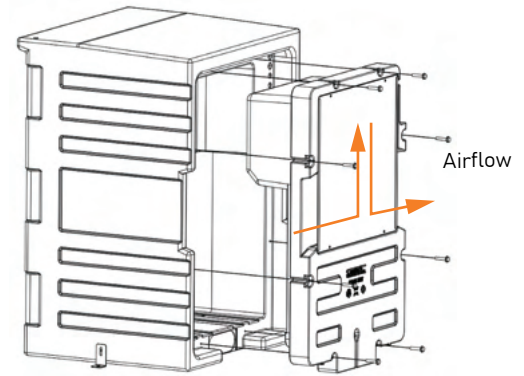


Samptec® is a TEC42 product
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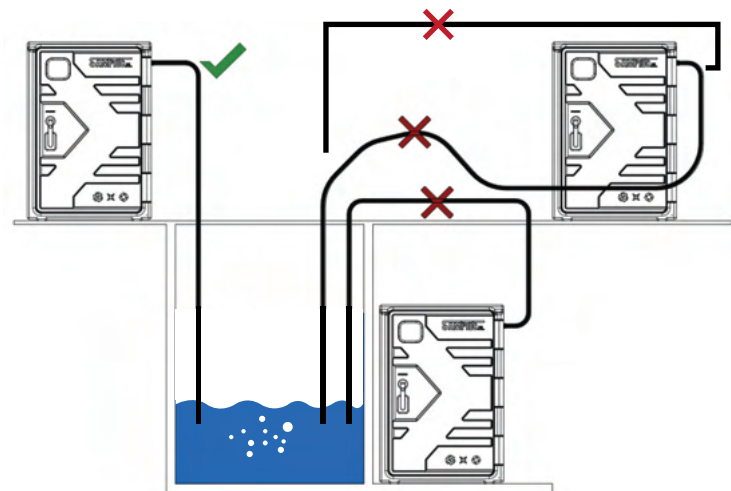
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Technical specifications

Enclosure material	100% PE polyethylene, fully recycable with wall thickness up to 90 mm.
Dimensions & weight	± 620 x 690 x 1000 mm D x W x H, ± 60 Kg
Working ambient	-25°C + 40°C
3 separated sections	E-Parts IP65, Cooler IP54 storage IP65
Power supply	110/230VAC – 50/60Hz, Internal hardware all 24 VDC ULV
Cool unit	Factory filled and assembled, temperature regulation between +2 and +5° Evaporator SS316 / IP68 FAN / Coated condenser & Compressor / SECOP 24 VDC/8A Compressor with internal safety switch
Refrigerant	0.032 Kg R290A with GWP 3
Heater	40 W sealed in cool unit
Main menu	EN / IT / DE / NL / TU / FR / SP / PL Detailed programming in English
SAMPTEC PLC	Display 4-line alphanumeric backlit 8 dedicated function keys Internal clock with battery backup 2 Direct Sampling & bottle change buttons Settings password protected
SIEMENS	OPTIONAL S7-1200 with HMI MTP400 for Custom solutions
Inputs	1x Analog 4-20mA 1x Digital configurable as Pulse 100ms or batch contact
Output	1 digital general alarm
According to	Peristaltic sampling EN 16479 / ISO 5667-3&10
Suction height	Max 6 mtr
Sample interval	1 to 1440 minutes or 0.01 m3 till 999 m3
Sample volume	Via software setting
Water detection via	Conductivity relay or timer
Sample program	Time / flow pulse / flow current / batch / event CTCV / VTCV acc to EN 16479
Error samples	Programmable from 0 - 99 signal alarm or specific alarm situation
Container change	Automatic on programmed RTC or overflow
Overflow protection	Increased by the number of samples Stop sampling or next container
Material wetted parts	POM, PVC, SI, TPE, PE, SS316



Installation instructions



- Make sure the sample spot is turbulent and homogenies
- Route the suction line with a downward gradient to the sampling point
- Avoid siphoning effects in the suction line
- Do not route the suction line with an upward gradient to the sampling point
- Install as close to the sampling point as possible

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