

# 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

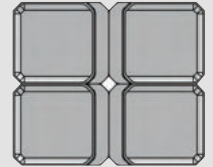


## Container options

1 x 25L / 1 x 50L



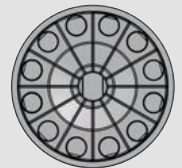
4 x 10L / 4 x 20L



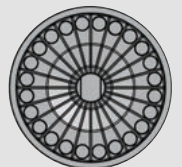
6 x 10L



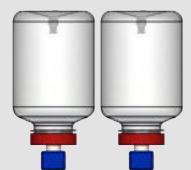
12 x 2L



24 x 1L



2 x 10L SE  
automatic Drain & Clean



## Samptec 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



## 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



**MADE IN HOLLAND**

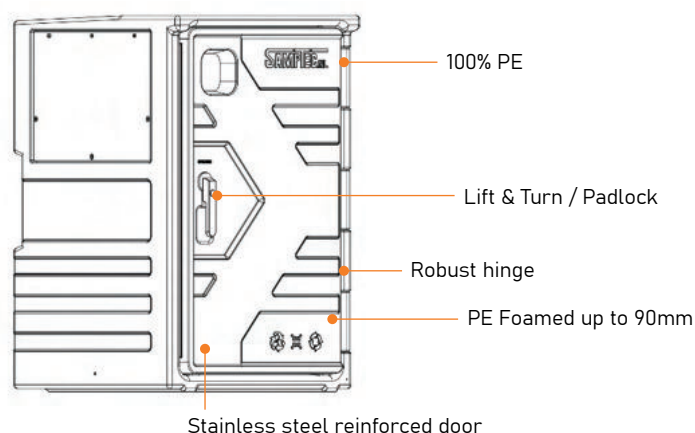
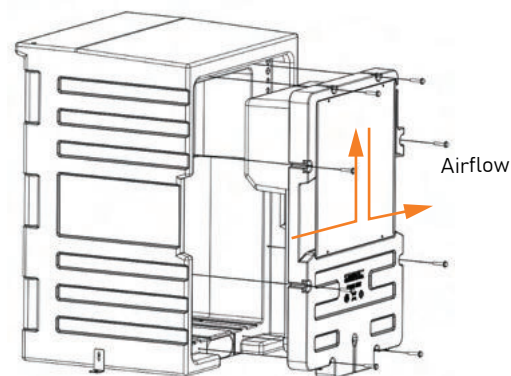


Samptec® is a TEC42 product  
TEC42.COM B.V.  
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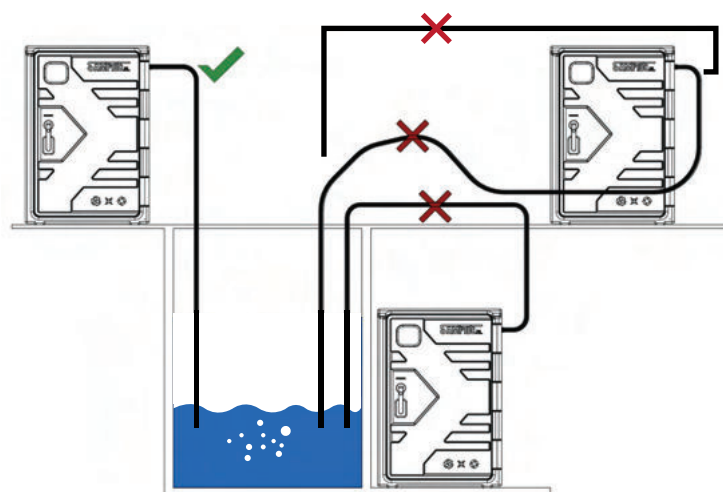
info@TEC42.com  
+31 85 060642

## Technical specifications

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