

Inline 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

PP3 PIN sampler
treated water up to 3 bar

GP3 Raw wastewater
up to 3 Bar

GP6 Raw wastewater up to 6 Bar

GE3 Raw wastewater
24VDC Electric Version

GP3R Pipes which are not possible
to drain

Retract version



- ✓ 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



PIN version



Treated water

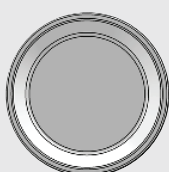
Guillotine version



Raw water

Container options

1 x 25L / 1 x 50L



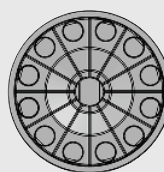
4 x 10L / 4 x 20L



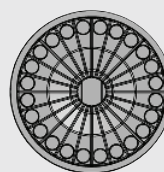
6 x 10L



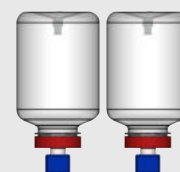
12 x 2L



24 x 1L



2 x 10L SE
automatic Drain & Clean



Product patented



MADE IN HOLLAND

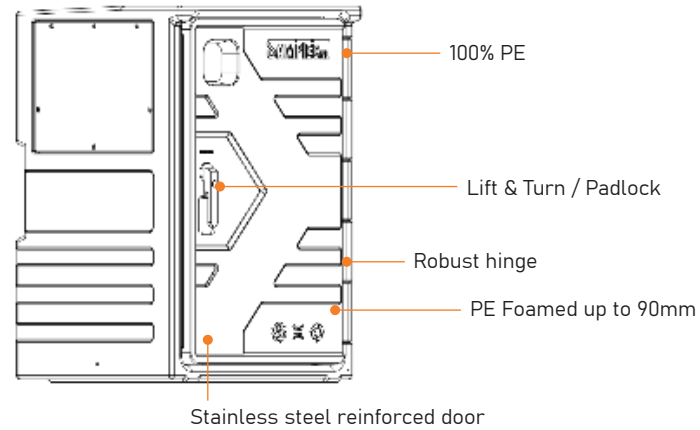
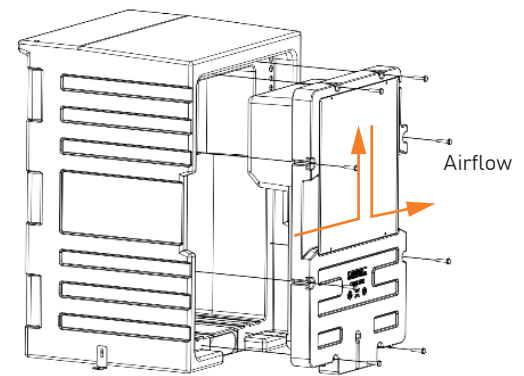


Samptec® is a TEC42 product
TEC42.COM B.V.
Mijlweg 9-4, 4131PJ Vianen, The Netherlands

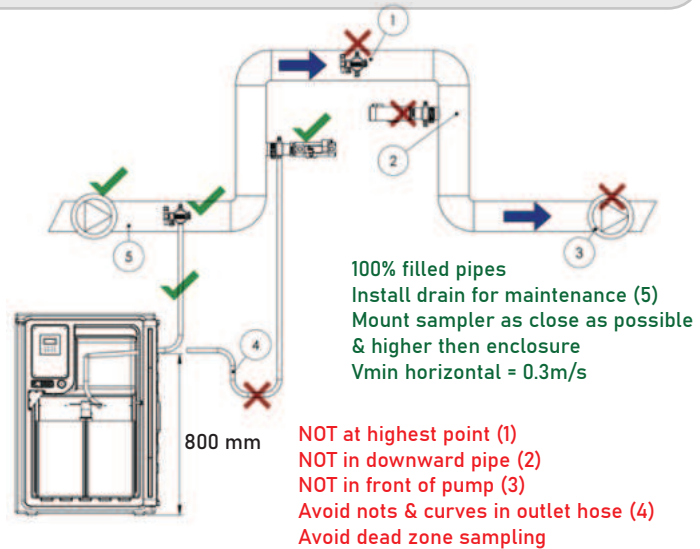
info@TEC42.com
+31 85 0600642

Technical specifications

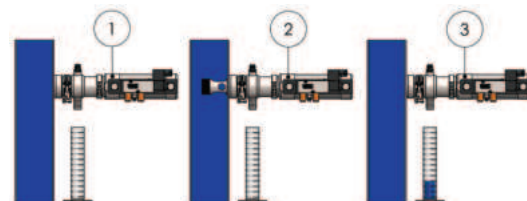
Enclosure material	100% PE polyethylene, fully recycable with thickness up to 90 mm.
Dimensions & weight	± 620 x 690 x 1000 mm D x W x H, ± 60 Kg
Working ambient	-25°C + 40°C
3 separated sections	E-Parts IP65, Cooler IP54, storage IP65
Power supply	110/230VAC – 50/60Hz, Internal hardware all 24 VDC ULV
Cool unit	Factory filled and assembled, temperature regulation between +2 and +5°C Evaporator ASI316/ Coated condenser & Compressor / IP68 FAN SECOP 24 VDC/8A Compressor with internal safety switch at ±43°C
Refrigerant	0.032 Kg R290A with GWP 3
Heater	+/- 40 W sealed
Main menu	EN / IT / DE / NL / TU / FR / SP / PL Detailed programming in English
SIEMENS	OPTIONAL S7-1200 with HMI MTP400 for custom solutions
SAMPTEC PLC	Display 4-line alphanumeric backlit 8 dedicated function keys Internal clock with battery backup 2 Direct Sampling & bottle change buttons protection password
Inputs	1x Analog 4-20mA 1x Digital configurable as pulse 100ms or batch contact
Output	1 digital general alarm
According to	ISO 5667-3&10 / NEN 6600-1
Max pipe pressure	3 Bar, optional 6 Bar
Sample power	P models Conditioned Air 6 – 10 Bar (to be supplied by customer) E models 24VDC-15A (included in SAMPTEC enclosure)
Sample interval	1 to 1440 minutes or 0.01 m3 till 250 m3
Sample volume	±50 ml fixed volume other volumes on request
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	SS316L, PE, SI, PTFE and FPM
Tubing size	d 15 mm



Installation instructions



Sample cycle



1. Sampler stand by
2. The plunger is driven by the actuator to collect a sample from the pipe
3. The plunger returns and the sample is drained into the container

Product patented



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