



Bühler 4411 Stationary self-emptying water sampler

Produktnr: BU4411.XX.XXXXXX
SEK Pris: Kontakta oss
Tillgänglig

Stationary sampler using pressure-vacuum technology. Representative samples are taken continuously, bottles are automatically emptied and rinsed before they are refilled.

The different dosage vessels make the instrument extremely flexible in standard and individual applications. The temperature-controlled weatherproof V2A housing is optional and available in V4A and plastic-coated

stainless steel. The strict separation of the control and sample sections ensures that the instrument has a long life.

The pressure-vacuum sampler is ISO 5667 compliant and therefore satisfies the requirements for subsequent reproducible analysis. Until then the sample is refrigerated to prevent biological and chemical changes from occurring. To avoid cross-contamination, the systems are always rinsed before and after sampling.

Ideal for carrying out self-checks in municipal wastewater treatment plants, in industrial facilities and for use in public sector monitoring concepts (e.g. monitoring river water).

Pressure-vacuum principle: Highly accurate sample volume

Wide variety of multiple bottle options

Stainless steel housing (optional: plastic-coated stainless steel)

Backlit liquid crystal display

Specifikationer

Automatic bottle rinsing/discharge:	Sampler equipped with rinsing head for bottle cleaning (rinsing water connection ¾", max. 2 bar); automatic discharge of bottle (drain connection DN25). Bottles are emptied, rinsed and filled for permanent monitoring reasons. Samples locked (no discharge) in case of external event indication.
Certifieringar :	CE, Sampling according to ISO 5667-2/3-10
Datalogger:	3000 entries, non-volatile data memory; storage of sampling and malfunction data like sample extractions, bottle changes, messages, external signals
Dimension:	For bottle option 24 x 2 L: 1400 (2175*) mm x 800 mm x 850 mm (H x W x D)
Fuktade material:	PC, PVC, Silicone, PS, PE, EPDM (optional: metering vessel glass Duran50, sinker weight SS304)
Garanti :	24 månader
Gränssnitt:	Mini-USB
Husmaterial:	Double-walled stainless steel (material 1.4301/SS304) / PS / PC (GF10) with 40 mm insulation. Housing separated in sample compartment and control compartment, each with lockable door.

	Upper door with PMMA window. Protective top made of Styrosun which can be opened for connection and maintenance works.
	Optional: 1.4571/SS316Ti; SS304 Epoxy-coated; SS316Ti Epoxy-coated
Ingångar:	1 x analogue: 0/4-20 mA
	2 x digital (flow, event), Impulse length 60 ms, switching level 7-24 V, max. working resistance 500 Ohm, max. length of signal cable 30 m
Instrument:	Microprocessor control, Sleep-Mode (<5 mA), power supply 8-16 V, foil keyboard (with keys 0 - 9, ESC, ENT, cursor), graphical display (128 x 64 Pixel), backlit
Kommunikation:	Optional: Modbus, connection via DP Profibus, PC via Software
	Further communication options on request.
Kylsystem:	Self-contained, controlled cooling / heating with 4 settings, no-frost. independent of the programmable controller, temperature in sample compartment: 4 °C (adjustable from 0.0 - 9.9 °C)
Manual sampling:	Possible at any time without interrupting the current program run
Material:	Stainless Steel
Matningskrav (Spänning):	115/230 V AC
Omgivningstemperatur:	-20 - 43 °C
Overfilling protection:	Adjustable from 1 - 999 samples/bottle
Pausläge:	Approx. 350 VA (with cooling)
Program protection:	Up to 5 years after voltage loss
Programs:	12 freely programmable user programs, with function to link programs
Programstartalternativ:	Immediately; at a certain time; by an external signal
Programstoppalternativ:	End of sampling program after one program run; continuous operation or x- runs, and a certain date / time
Provbehållare:	Plastic: 2 x 10 L; 4 x 5 L; 4 x 10 L; 24 x 2.0 L
	Glass: 12 x 1.6 L; 24 x 2.0 L
Provintervall:	1 min to 99 h 59 min in steps of 1 minute
	1 to 9999 pulses/sample
Provtagartyp:	Stationary
Provtagningsläge:	Time-related, flow-proportional, constant time/ variable volume (CTVV), event-related, manual sample extraction
Provtagningsprincip:	Standard Vacuum System 20 - 350 mL
	Option: Vacuum System 20 - 500 mL
	Option: Vacuum CTVV flow-proportional 5 - 350 mL
	Option: Bypass System 20 - 250 mL
	Option: glass dosing vessel instead of plastic
Provtemperatur:	0 - 40°C (32 - 104°F)
Provvolymens noggrannhet:	Standard Vacuum System: < 2.5 % or ± 3 mL
Sample collection:	Menu driven bottle discharge for sample extraction
Sample transport velocity:	>0.5 m/s at suction height up to at least 8 m (at 1013 hPa); pump performance can be adjusted electronically

Språk:	Multi-language, selectable
Status messages:	Standard: 1 collective malfunction message as relay output Option: expandable up to 5 relay outputs - freely programmable
Suction hose inner diameter (mm):	12 mm
Sughöjd:	Max. 8 m (at 1013 hPa and stagnant medium), optional higher
Sugslangens längd:	7.5 m; max. hose length 30 m
Sugslangens material:	PVC
Vikt :	Approx. 115 kg with bottle option 2 x 10 L PE, higher weight when using other multi-bottle option and/or glass bottles