

WS 98

Small and Variable

Sampler

Housing

Housing (IP 65) of stainless steel
Standard: AISI 304
Optional: AISI 316 Ti
Optional: GFRP

Wall mounted or in suspension rack

Hardware-Upgrade of other brands possible (e.g. Edmund Bühler).

Distribution

Optionally with **XY distributor**
Optional connection of **heating** and **cooling** is possible.

Direct dosing system,
no cleaning of distribution plate

Client specific bottles can be used without difficulty

Dosing

Dosing vessel of **borosilicate glass** (no plastic vessel)

Recalibration of sample volume after cleaning is **not necessary**

Closing pressure of pinch-valve is **adjustable**

Various hose materials and diameters are possible

Reliable sampling and **accurate** sample volumes with **vacuum pressure system**

Parallel programs and **chaining of programs** as **standard**



 **WaterSam®**

www.watersam.com

WaterSam® WS 98, simple and small indoor sampler for various applications. Wall mounted or in a suspensory rack.

MicroSam The control meets all your sampling requirements such as time, volume and event proportional sampling. A manual sample is possible at any time without interrupting the program.

Up to **9 programs** can individually be set by the customer. They can be interlinked or run **simultaneously**.

The integrated control unit protects your equipment and logs important data such as pump run time, run time of the cooling unit, failure messages etc.

A GSM modem for remote control can be connected. An SMS error message can then also be sent to a defined mobile phone.

WS 98, can also be used to exchange old sampling systems in any existing housing - with sufficient space.

Not only draws accurate samples, it can additionally operate the following external components:

- ~ Cooling unit
- ~ Heating unit
- ~ XY distributor, indirect circular distributor

Provided that the above mentioned components are technically in order.



Available composite containers
60, 25, 12, 10 or 6.4 ltr optionally
with customer owned containers.



Optional: the WS 98 can be provided
with an X-Y-distributor with mounting
rack and the following bottle
combinations:



4 x 20 L; 4 x 12 L (angular),
5 x 12 L (round);

12 x 2.9 + 1 x 12 L;
16 x 2.9 L;



24 x 2.0 L;
36 x 1 L

Service

WaterSam® samplers are very easy to maintain. Our customer service is always ready to help you fast and reliably.

Manufacturer:

Supplied by:

Technical Data - WS 98

Sampling method	Air Vacuum Pump (Peristaltic pump upon request)
Dosing vessel	DURAN 50 borosilicate glass
Dosing volume	20 – 350 ml (Multiple dosing is possible)
Suction hose	12mm Ø PVC
Suction height	6 m
Pump	24 V DC; 9 l/min; -0.7 to 1 bar
Controllable distributor	Optional: Direct dosing , freely programmable XY distributor
Distribution hose	15 mm Ø silicone
Housing	Stainless steel AISI 304 Protection IP 65
Control unit	Microprocessor controlled, 4 button tactile back lighted keypad with 4 x 20col.LCD display, Real time clock, 5 year RAM battery back-up, overload protected outputs
Software	Menu driven 9 programmes simultaneously Memory for errors, events and operation status Preset programmes, easy to modify Preset and free distributor settings Log of event/operating details Combination and interlinking programmes as standard feature
Inputs	
Flow signals :	Analogue: 0/4-20mA Digital: pot.-free contact (Impulse duration min. 50ms)
Event signal :	potential-free contact
Serial port	RS 232 optionally RS 485
Remote control	Via modem or GSM modem (Option)
Electrical data	230V / 50Hz / 10A / 60VA
Dimensions without distributor	Height 340 mm Width 472 mm Depth 190 mm Weight approx. 12 kg

WaterSam®

WaterSam GmbH & Co. KG
Felix-Wankel-Strasse 70
72108 Rottenburg am Neckar
Germany

Tel : + 49 (0)7472 9882-0
Fax: + 49 (0)7472 9882-22
E-Mail: info@watersam.de
www.watersam.com