

WS 316

Versatile

Sampler

Housing

XY-distributor

Over 10 years of
successful operation

Complete housing of stainless steel
including roof

Simple upgrade to Monitoring Station
is possible

Direct dosing system,
no cleaning of distribution plate

Standard up to **36 x 1 ltr.** bottles
(optionally 48 x 1 ltr. bottles)
without retrofitting 7 common bottle
combinations are pre-installed

Different bottle sizes
composite and reference samples can
be bottles at the same time

Client specific bottles can be used
without difficulty

Parking position allows use of **large
containers without retrofitting**

Dosing

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

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

Dosing vessel situated in **protected
and thermostatted** sample chamber,
thus **additional** panel door and
protective heater **not necessary**

Hose inlet from the **left** or **right**
optionally from the **bottom**

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

Various hose materials
and diameters are possible

Reliable sampling and
accurate sample volumes with
vacuum pressure system



 **WaterSam®**

www.watersam.com

WaterSam® A versatile sampler according to ISO 5667.

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.

Examples:



1 x 25.0 litres



36 x 1.0 litre



24 x 1.0 litre +
1 x 12 litres



12 x 2.9 litres +
1 x 12 litres

The approved
**X-Y direct
distribution**

No cross
contamination

Variable for
every
application

Low
maintenance

With the special air circulation system inside the storage compartment the samples are kept at optimum temperature conditions of +4°C (at ambient temperatures from -25°C up to +42°C).

Electrical and mechanical components are situated in the upper dry part of the sampler.

The housing can be disassembled and recycled.

Service

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

Manufactured by:



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Technical Data - WS 316

According to ISO 5667

Sampling Method	Vacuum dosing system (Peristaltic pump upon request)
Material with fluid contact	Borosilicate glass, PE, PVC, stainless steel AISI 304, AISI 316 Ti, silicone
Dosing vessel	DURAN 50 borosilicate glass
Dosing volume	20 – 350 ml (multiple dosing is possible)
Suction hose	di 12 mm, PVC
Suction height	7.5 m, pump capacity 14.5 l/min without back pressure
Pump	230 V AC; -0,8 to 1 bar; no collector
Distribution	X-Y distributor, directly into the bottles
Distribution hose	di 15 mm, silicone
Housing	Stainless steel (AISI 304) Option: AISI 316 Ti or powder-coated (RAL colors) 40mm insulation, cold bridge free
Cooling unit	Compressor cooling 230 V AC; 160 W; refrigerant R 134a CFC-free; automatic defrost
Heating unit	Electric heating in stainless steel case 230 V; 350 W with excess temperature protection 70°C
Thermostat	PT100
Control	Microprocessor controlled, 4 button tactile back lighted keypad with 4 x 20 col. LCD display, Real time clock, 5 year RAM battery back-up, overload protected outputs
Software	Menu driven, 9 possible programs (simultaneously) Memories for errors, events and operation status Preset programs, easy to modify Preset and free distributor settings Combination and interlinking programs as standard features
Inputs	Flow signals : 0/4-20mA or. potential free contact Event signals : Potential free contact
Outputs	4 outputs all in all standard basic model program is running; error message 2 outputs free
Interface	RS 232 or optional RS 485
Electrical Data	Mains supply 230 V / 50 Hz Power input approx. 750 VA max. Main fuse 16 A
Dimensions	Height 1.290 mm Width 655 mm (including fastening bar =720mm) Depth 770 mm weight 90-125 kg (depending on equipment)

Supplied by: