



IsoControl® - MSA

Volumetric inline sampler for liquids in food processes

Application

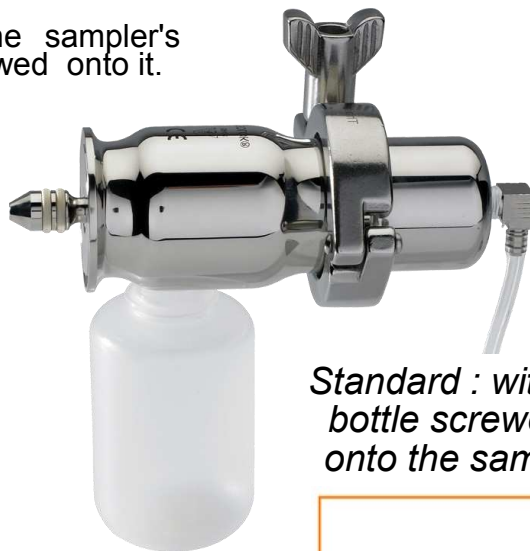
The **IsoControl® - MSA** sanitary sampler can be installed on a pressurized or a vacuum process line for the volumetric sampling of liquid foods (maximum viscosity 15cPs). It can also be mounted on bulk milk hauling trucks.

IsoControl - MSA is actuated by a single stroke pneumatic plunger/piston, allowing the extraction of an accurately metered volume of 0.5ml with each stroke. Its operation can be easily automated, allowing pre-programmed time-based sampling cycles.

The product sampled is carried into the sampler's body and collected in a PP Bottle directly screwed onto it.

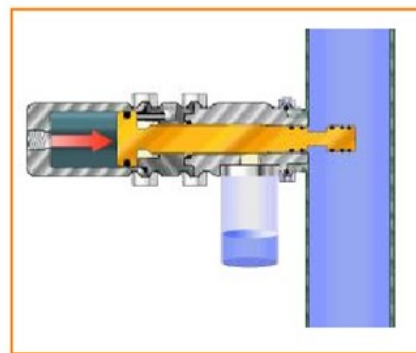


With sampling bottle adapter.

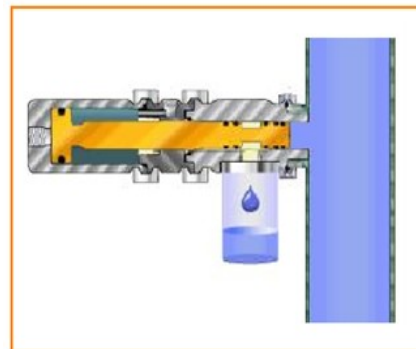


Standard : with sampling bottle screwed directly onto the sampler body.

Sampling process



Prélèvement goutte à goutte



The simple design of the IsoControl and the assembly by a clamp allows quick dismantling and easy cleaning. Its enclosed concept ensures a representative sample and avoids any loss or contamination of the sampled product, as well as any exposure to the operator or the environment.

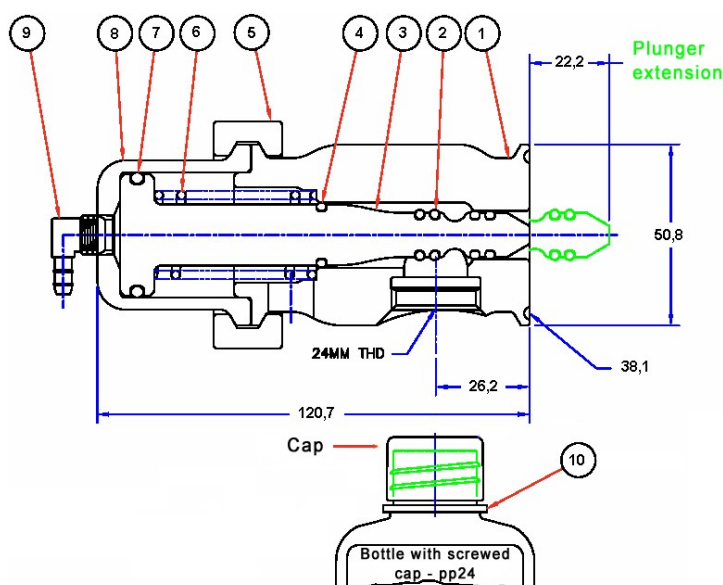
Each sampling cycle allows the collection of a pre-determined product volume and therefore it gives an average representation on time-based sampling.

SPECIFICATIONS

LABOCONTROL®
Sampling Equipment



Part list	Description
1	Sampler body
2	Sampling chamber seals
3	Plunger-piston
4	Piston front seal
5	Clamp
6	Release spring
7	Piston rear seal
8	Barrel
9	Air inlet barb fitting
10	Sampling bottle



FDA - 3A approved materials : 316L stainless steel, Buna N seals, PP bottles

Surface Roughness inside: 0.2µm - **Outside**: 0.6µm -

Clamp connection for a quick disassembly and easy cleaning of wetted parts

Sampling device has been designed for easy mounting / dismounting prior to easy cleanability. All wetted parts comply with **hygienic and safety requirements** of European machine Directive # 2006/42/EC (CE marking), and meet American sanitary construction standards carrying the 3-A symbol.

CIP cleaning unit- SS 316 L



This unit is easy to connect to the sampling flask adapter before the start of the cleaning process. It has internal ducting which causes the cleaning liquid to pass vertically in the wetted areas, thus providing hygienic cleaning. The water used is discharged by a drain in the bottom of the unit. As an option, the CIP solenoid valve can be operated by our control unit.

Control unit

The IsoControl sampler is operated by an electro-pneumatic control unit, allowing control of the frequency of the sampling cycles relative to the total volume to be sampled.

Cycle rate adjustment is provided by programmable device.

The start and finish time of the sampling cycle may be linked to the operation of a pump.

- Required air pressure: 3-8 bar / 48-120 psi
- Required power supply: 12/24 VDC.

