



Tailor-made solutions engineered for you

# Quality & Traceability



Sampling is at the heart of the quality system in the agrifood, cosmetics, pharmaceuticals and fine chemicals industries. Servinox addresses the concerns of industry players through a wide range of equipment recognised for its asepsis quality, ease of use and reliability.

Whether they are placed on a process line or tank, whether they are intended to collect clear, viscous, sticky, pasty, sugary or solid bearing fluids, all our sampling valves are based on a reinforced hygienic design enabling quality and/or bacteriological controls to be carried out in complete safety.

We have the expertise and tools to advise you in the choice and installation of your sampling and we are committed to our recommendations and their results.

## Equipment that is **PED compliant**

All our samplings are EC compliant and can be used in production environments subject to the 2014/68/UE European Pressure Equipment Directive (PED) (§4.3).

## Comply with the **USP Class VI standard**

For the pharmaceutical industries manufacturing and marketing health products in the United States, we offer USP Class VI certification which guarantees the biocompatibility of the plastics and elastomers used for our sampling.

## Equipment **sterilised** either by flame or during the **CIP/SIP** phases

With its hygienic design and fully washable in position, our sampling offers safe and secure product quality and traceability throughout its useful life.

## **PEML, PEMC & PEVL : Sample differeents types of liquids**

Servinox offers a wide range of sampling compatible with all types of use and in particular with clear, sticky, viscous, pasty, sugary and/or solid bearing fluids.

## **PEMA, PEML & PEMC : The choice of working in manual or automatic mode**

Each version has its advantages: manual versions are used to collect samples independently and at any time while automatic versions ensure the traceability of the quality of the product by covering all process phases regularly and allowing in position cleaning (CIP/SIP).

## **PESH : Sampling by syringe dedicated to the most sensitive products**

In the PESH, everything has been designed to exclude risks of contamination (especially bacterial): sampling by syringe, no retention zone, single usage of the sampling points, self-repairing membrane, etc.

## **PEVL : Collect an accurate and constant quantity of the product**

PEVL volumetric sampling is used to collect precise and identical volumes in the transfer line either manually or at regular intervals. PEVL is especially suited for milk reception both for identifying the risks of contamination and for controlling the fat level in the milk.

## **PEMA, PEML, PEMC & PEVL : ATEX certified automatic sampling**

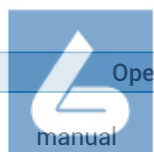
« ATEX 2014/34/UE, zones 1 & 2, gas and dust » certification, thereby enabling utilisation in a potentially explosive atmosphere due to gases, vapours, mists or dusts.

## SAMPLING COMPARATIVE TABLE

designed and manufactured by SERVINOX



	Installation		Type of liquid		
	on tank	on process line	clear or low viscosity	sticky, sugary or low solidifying	solid bearing
<b>PEMS</b>	✓	✓	✓	✗	✗
<b>PEMA</b>	✓	✗	✓	✓	✗
<b>PEML</b>	✓	✓	✓	✓	✗
<b>PEMC</b>	✓	✗	✓	✓	✓
<b>PESH</b>	✓	✓	✓	✗	✗
<b>PEVL</b>	✗	✓	✓	✗	✗



Operation

Hygienic characteristics

	Operation		Hygienic characteristics		
	manual	HYGIENIC EQUIPMENT adapted to automatic	adapted to bacteriological controls	flame sterilisation	CIP/SIP sterilisation
<b>PEMS</b>	✓	✗	✓	✓	✓ (by circulation)
<b>PEMA</b>	✓	✓	✓	✓	✓ (by circulation)
<b>PEML</b>	✓	✓	✓	✓	✓ (by circulation)
<b>PEMC</b>	✓	✓	✓	✓	✓ (by circulation)
<b>PESH</b>	✓	✗	✓ (by syringe)	✗	✓ (in place)
<b>PEVL</b>	✗	✓	✓	✗	✓ (by circulation)

	Compliance			
	standard version	version on request	membranes	membranes on request
<b>PEMS</b>	2014/68/UE <sup>1</sup>	-	FDA, CE <sup>3</sup>	USP Class VI
<b>PEMA</b>	2014/68/UE <sup>1</sup>	ATEX <sup>2</sup>	FDA, CE <sup>3</sup>	USP Class VI
<b>PEML</b>	2014/68/UE <sup>1</sup>	ATEX <sup>2</sup>	FDA, CE <sup>3</sup>	USP Class VI
<b>PEMC</b>	2014/68/UE <sup>1</sup>	ATEX <sup>2</sup>	FDA, CE <sup>3</sup>	USP Class VI
<b>PESH</b>	2014/68/UE <sup>1</sup>	-	FDA, CE <sup>3</sup> , USP Class VI	-
<b>PEVL</b>	2014/68/UE <sup>1</sup>	ATEX <sup>2</sup>	FDA, CE <sup>3</sup>	-

<sup>1</sup> European Pressure Equipment Directive ; art 4.3

<sup>2</sup> ATEX certification only possible in the automatic version

<sup>3</sup> EC : 1935/2004/CE

Servinox makes every effort to update its documents in line with improvements to its products..

# SERVINOX

## 3 RANGES FOR 3 PRIORITIES...

Servinox, through its 3 main areas of expertise, invites the players in all sectors of industry to embark on a real momentum for progress:

**Safety**  
& Protection



**Quality**  
& Traceability



**Efficiency**  
& Environment



**Gillain & Co**

HYGIENIC EQUIPMENT FOR FOOD & LIFE SCIENCES

... AND SOLUTIONS FOR SPECIFIC PROBLEMS.

Because the demands of industry players have evolved and shall continue to do so, Servinox is pleased to make available its research for enhancing performance.

« Tailor-made solutions engineered for you »

The dynamism of our company is reflected by our teams and their ongoing research for solutions, each one of which can be adjusted to a specific activity (agrifood, cosmetology, pharmaceuticals, etc.) and using regularly updated modelling, design, manufacturing, control and testing tools.

This ensures we have the skills and capacity to work on your specific problems, regardless of the momentum or phase of your activity.