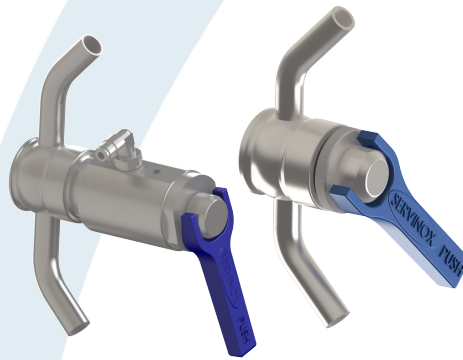


Sampling valve  
with membrane & lever  
for tank or process line  
and low viscosity liquids

# PEML<sup>®</sup>



Optional :



Optional  
Membrane :



## OVERVIEW :

The PEML sampling valve is used to take a sample of clear, low viscosity or sticky liquid from a process line or tank in order to carry out quality and/or bacterial controls. The PEML valve is available in manual or automatic versions. The valve has a connection dedicated to the passage of CIP liquid thereby enabling the sampling chamber to be cleaned. The drive head has 2 open positions: open position maintained and open with automatic spring loaded closure. The increased hygienic design («flush membrane» - flared body) type guarantees there is no retention zone (an ideal place for bacteria to develop) and is easy to clean. Sealing is by a hung-type membrane on the drive head.

## KEY BENEFITS:

- ▲ Specially designed for sticky and/or low pressure manometer liquids
- ▲ Hygienic design with flared body
- ▲ Sterilisation by CIP/SIP circulation
- ▲ Operating security (automatic spring loaded closure)
- ▲ Easy assembly and maintenance
- ▲ Available in manual and automatic versions

## APPLICATIONS :

- ▲ Sampling on tank or line carrying sticky, sugary, low solidifying, low viscosity or clear liquids
- ▲ Equipment especially suited to sampling of products subject to quality and/or bacterial controls

## TECHNICAL SPECIFICATIONS :

**Sizes:** DN 6 and DN 10

**Intake connection:** To weld

**Outlet connection:** Smooth with VMQ cap (Silicone)

**CIP connection:** Smooth with VMQ cap (Silicone)

**Service pressure:** From -1 to 6 bar for the DN6 size and from -1 to 5 bar for the DN10 size

**Service temperature:** From 1 °C to 120 °C

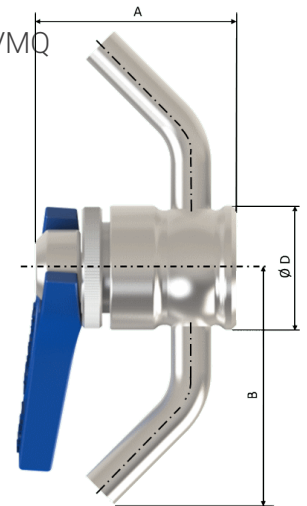
**CIP/SIP support:** Up to a temperature of 130 °C for 20 to 30 minutes

### Materials:

- Parts in contact with the product: 1.4404 (316L) stainless steel Sealing: VMQ
- membrane (Silicone)
- Other parts: 1.4307 (304L) stainless steel
- Lever: PA + FG (Glass-filled polyamide)

## DIMENSIONS IN MM :

Sizes	A	B	D
DN 6 (angled outed)	51	49	24,5
DN 10 (angled outed)	52	68	34,5



## OPTIONS :

- Automatic version (single acting cylinder)
- Automatic version with opening detection
- Automatic version (without opening detection) «ATEX 2014/34/UE, zones 1 & 2, gas and dust» certified
- Non-blocking opening (dead man)
- Valve without CIP connection if flame sterilisation
- Stainless steel lever
- Stainless steel caps
- Other membranes: EPDM (Ethylene Propylene Diene Monomer), FKM (Fluorocarbon rubber, eq. Viton®), NBR (Nitrile rubber)
- Membrane USP Class VI compliant
- All types of connections on request (intakes and outlets)
- Customised equipment: please contact us

## GUARANTEE :

**12 months** from the date of shipment (*except in the case of special conditions*)

## COMPLIANCES :

- Ducting and tank accessories compliant with **European PED 2014/68/UE, §4.3**
- Optional: Compliant « **ATEX 2014/34/UE, zones 1 & 2, gas & dust**» for the automatic versions without opening detection
- Membranes compliant with **FDA CFR 21.177.2600** and **1935/2004/EC** ruling
- Optional: **Membrane USP Class VI** compliant

SERVINOX follows the recommendations of international guidelines and standards relative to hygienic design and construction, in particular those of the EHEDG and 3-A.

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