Pull-knob opening, spring closure

Hygienic design reinforced with flush body

Designed for viscous and sticky products

Manual or automatic

Flame or SIP/CIP fluid circulation sterilisation
**APPLICATION:**

The PEMS IV sampling valve is used to take a liquid sample from a process line or a tank for quality and/or bacteriology controls. Its hygienic "flush membrane" hygienic design (flared body) guarantees the absence of retention zones (favourable to bacterial growth) with clear and/or relatively non-viscous liquids, as well as excellent cleanability. Its spring pull-rod opening system closes the valve once the sample is taken; forced opening with a screw enables product flow to be controlled and to keep sampling open in CIP/SIP phases.

**TECHNICAL DATA:**

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Parts in contact with product: 1.4404 stainless steel (316L)  
Membrane: silicone  
Characteristics:  
The standard versions of the PEMS IV sampling valve are proposed in ND 6 (8x1) and 10 (12x1). In the standard version, it is supplied with a smooth sampling inlet and outlet to weld; it can be sterilised in a flame (possibility of cleaning circulating CIP or SIP products, see "Options"). Its manual head opens by pulling and closes with a spring. Manual forced opening with a screw enables sampling to be continuous. In the standard version, working pressure must not exceed 4 bars, and temperature 120°C. The elastomers are US FDA compliant.

**OPTIONS:**

- ATEX version (on automatic valve)  
- Command by a simple pneumatic actuator, position detection possible.  
- SMS 25 and SMS 38 clamp inlets.  
- The "2 spout" version is used to circulate a CIP or SIP product in the valve body without contacting the process line; silicone plugs are used to keep alcohol in the body between two sampling operations.  
- Connections to spout(s):  
  - male 1/2", 1/4" or 3/8" left-hand thread  
  - clamp, mini-clamp or micro-clamp  
  - fluted  
- Membrane adapted to working conditions (EPDM, FKM, nitrile)  
- Other grades of material on demand

**COMMISSIONING AND MAINTENANCE:**

For all information concerning installation, commissioning, use and maintenance of this equipment, refer to technical notice XXX x F.