Tank Equipment

Sampling valve

PEMS III



- Low utilisation cost
- Hygienic design reinforced with flush body
- Uncomplicated maintenance
- Manual or automatic
- flame or SIP/CIP
  fluid circulation
  sterilisation

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APPLICATION :

The PEMS iII sampling valve is used to take a liquid sample from 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 hygienic qualities and simplicity of installation and maintenance make it a market benchmark.

TECHNICAL DATA:

Materials:

Parts in contact with product: 1.4404 stainless steel (316L)
Membrane: silicone

Characteristics:

Standard versions of the PEMS iII 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 and closes by unscrewing/screwing.
In the standard version, working pressure must not exceed 6 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 inlet.
- 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.