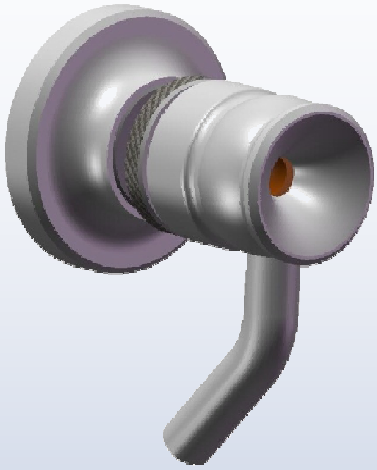
# Process Line Equipment

## Tank Equipment

### Sampling valve

## PEMS IV



- 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




Gillain & Co
HYGIENIC EQUIPMENT FOR FOOD & LIFE SCIENCES
Gillain & Co NV | Boomsesteenweg 85, B-2630 Aartselaar | Tel. +32 3 870 60 80, Fax +32 3 870 60 89 | advice@gillain.com | www.gillain.com

## 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.

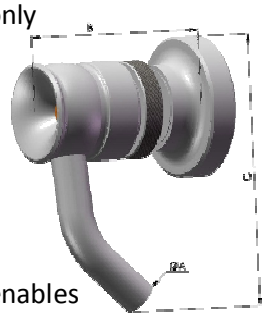
## TECHNICAL DATA:

| Ø A | B | C |
|---|---|---|
| 6 | 45 | 35 |
| 10 | 68 | 50 |

* : Plain end versions only

Materials:

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.