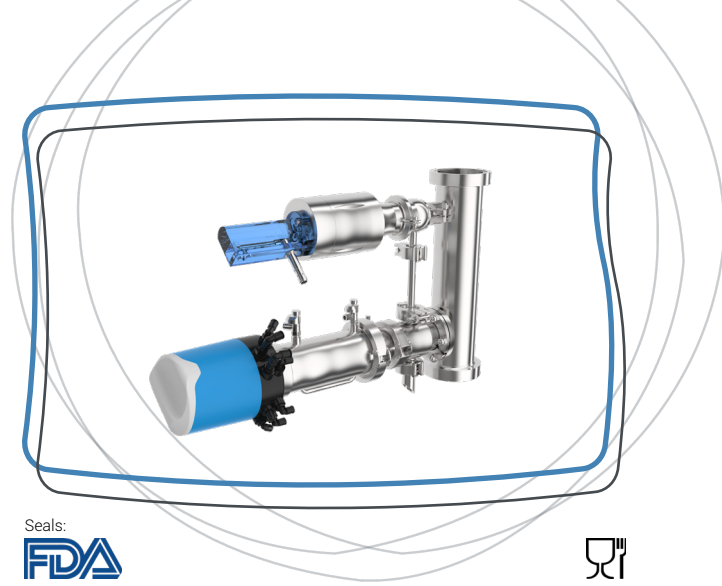


PEVL[®]

In-line volumetric sampling valve for low-viscosity fluids



Presentation

The PEVL sampling valve allows to automatically and sequentially take samples of a constant volume of clear or low-viscosity liquid on a transfer line.

The PEVL is pneumatically controlled and comprises a body fitted with a sampling chamber, a sampling piston and an actuator cylinder. With each movement of the actuator cylinder, the sampling piston takes a quantity of product corresponding to the volume trapped in the calibrated neck of the piston from the transfer line. When the piston returns to its initial position, this volume is transferred to the sampling bottle through the outlet tubing. The sampling chamber is cleaned by simply connecting the valve to the CIP system or by injection of a detergent/sterilising liquid.

Key features

- Sampling a constant volume at regular intervals (automatic)
- Hygienic design, with in-line cleaning valve fitted
- Sampling volume defined at the time of manufacture, from 3 ml to 40 ml
- Possibility of collecting up to 600 samples per hour
- Can be sterilised by CIP/SIP circulation

Applications

- Sampling on a transfer line of a clear or low-viscosity liquid
- Equipment particularly suited to sampling products subject to quality and/or bacteriological tests

SERV

Technical features

SMS sizes (ØA):

- Model 1: Sampling volume from 3 to 20 ml
- Model 2: Sampling volume from 21 to 40 ml

Mounting on SMS/DIN/ISO vertical pipes from DN 50: 51 mm (2"); 63.5 mm (2 ½"); 76 mm (3"); 104 mm (4") DIN and ISO

Outlet tube diameter: clamp OD 3/4" (Ø19.05 x 1.65)

Mounting on pipe section: SMS51/OD2" clamp (mounted on H-Connect flange welded to the section)

Inlet/outlet connection of the section on the pipe: Clamp

Pneumatic connection: 6 mm polyamide tube on push-in fittings

Pneumatic operating pressure: 6 bar

Hydraulic operating pressure: from 0.1 to 10 bar

Operating temperature: from 1°C to 120°C

Withstands CIP/SIP: Up to 121°C for 20 to 30 minutes

Materials

- Parts in contact with the product: Stainless steel 1.4404 (316L)
- Other parts: Stainless steel 1.4404 (316L), PTFE (polytetrafluoroethylene, eq. Teflon®) reinforced
- Sealing: EPDM (Ethylene Propylene Diene Monomer), Perbunan®

Options

- Automatic valve for direct CIP liquid supply
- Magnetic-inductive detection (on a cylinder) for taking samples
- Other connections: female, male, flange
- "Bare" model without section
- 100 % automatic version with drive head (24 Vdc, As-i, I/ O Link)
- Horizontal pipe model: please contact us
- Customised equipment: please contact us

Warranty

12 months as from the date of dispatch (except for special conditions)

Conformity

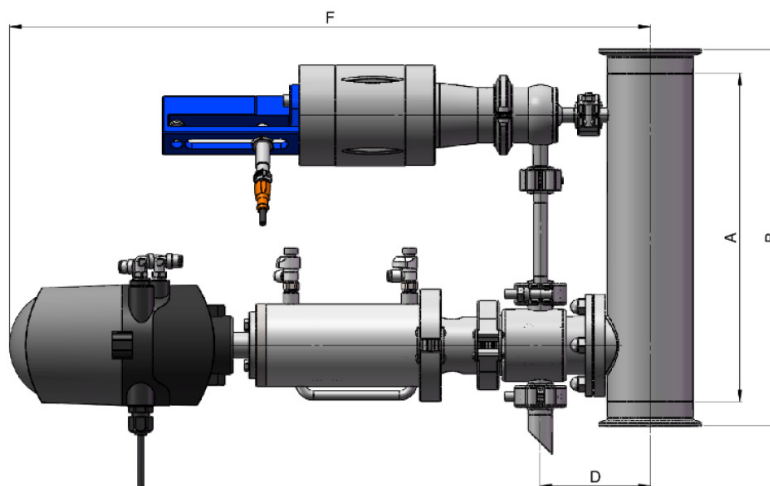
- Elastomer seals compliant with FDA CFR 21.177.2600 and Regulation (EC) 1935/2004
- Pipe fitting and tank compliant with Paragraph 4.3 of the PED 2014/68/EU

Non-contractual document and visuals, subject to change without notice.

Only the commercial offer and the technical manual supplied with the equipment may be used for technical and legal purposes.

Dimensions in mm

Model PEVLXA
3 to 20 mL



Dimensions (in mm) SMS 3008

SIZE	51	63	76	100
A	291	291	291	291
B	334	334	334	334
Ø C	51x1,2	63,5x1,6	76,1x1,6	104x2
D	84	90	96	110
F	554	560	566	580

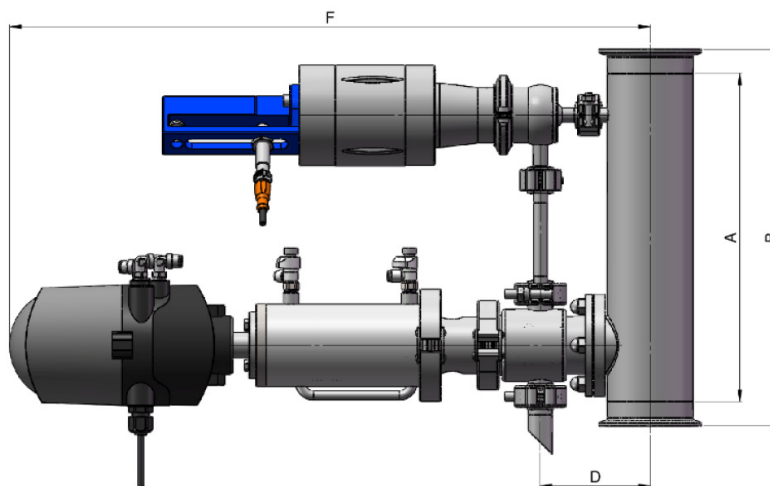
Dimensions (in mm) DIN11851

SIZE	50	65	80	100
A	291	291	291	291
B	334	334	347	334
Ø C	60,3x2	76,1x2	88,9x2	114,3x2
D	89	97	103	116
F	559	567	573	586

Dimensions (in mm) standard ISO 1127

SIZE	50	65	80	100
A	291	291	291	291
B	347	334	334	347
Ø C	53x1,5	70x2	85x2	104x2
D	85	93	101	110
F	555	563	571	580

Model PEVLXB
21 to 40 mL



Dimensions (in mm) SMS 3008

SIZE	51	63	76	100
A	291	291	291	291
B	334	334	334	334
Ø C	51x1,2	63,5x1,6	76,1x1,6	104x2
D	103	109	115	129
F	573	579	585	599

Dimensions (in mm) DIN11851

SIZE	50	65	80	100
A	291	291	291	291
B	334	334	347	334
Ø C	53x1,5	70x2	85x2	104x2
D	104	112	120	129
F	574	582	590	599

Dimensions (in mm) standard ISO 1127

SIZE	50	65	80	100
A	291	291	291	291
B	347	334	334	347
Ø C	60,3x2	76,1x2	88,9x2	114,3x2
D	108	116	122	135
F	578	586	592	605