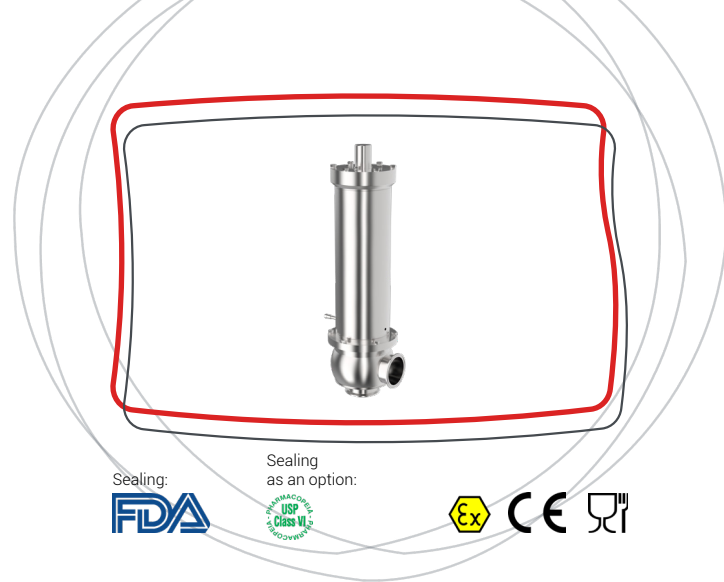


SHP[®]

High-performance pressure safety valve
for tanks

Presentation



The valves in the SHP range are PED-certified safety equipment designed to protect production lines and tanks containing Group 1 liquids and gases (excluding corrosive, toxic and flammable fluids), all Group 2 liquids and gases and water vapour against excess pressure (operating pressure greater than 0.5 bar). The blow-off from the pressure function is collected. SERVINOX has the tools to size a valve according to the characteristics of the tank (diameter, height) and the operating conditions.

Key features

- High-performance pressure safety valve
- Flush hygienic tank dome design with 0.6 µm internal Ra
- Completely self-contained: no external controls required
- Innovative design for easy maintenance

Applications

- Equipment for process tanks requiring compliance with the highest hygiene standards (food-processing, biotech, pharmaceuticals and cosmetics)
- Tanks subject to the PED with an operating pressure greater than 0.5 bar
- Designed to convey Group 1 liquids and gases (excluding corrosive, toxic and flammable fluids), all Group 2 liquids and gases and water vapour (depending on the compatibility of the components with the products)

Technical features

Sizes: DN 08, DN 13, DN 20, DN 25, DN 32, DN 40, DN 65

Connection: Clamp

Pressure setting: 0.5 to 10 bar

Operating temperature: 1°C (frost protection) to 200°C, depending on tightness

Permissible fluids: Group 1 liquids and gases (excluding corrosive, toxic and flammable fluids), all Group 2 liquids and gases and water vapour

Materials

In contact with the product:

- Body, seat and plug: Stainless steel 1.4404 (316L) or 1.4409
- Sealing: EPDM (Ethylene Propylene Diene Monomer)(max. 120°) seals

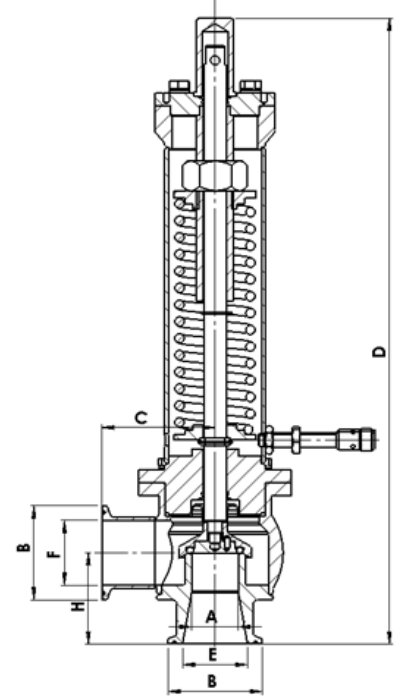
Not in contact with the product:

- Stainless steel 1.4306 or 1.4307 (304L) or 1.4404 (316L)
- NBR (Nitrile rubber)

Dimensions in mm

Standard version

Sizes	ØA	ØB	C	D	ØE*	ØF*	H
DN 08	8	25	47	174	9.4 (OD 15)	14 (ISO 10)	39
DN 13	13	50.5	64	336	18.1 (ISO 15)	18.1 (ISO 15)	49
DN 20	20	50.5	62	336	29.7 (ISO 25)	29.7 (OD 25)	49
DN 25	25	50.5	61	336	34.8 (OD 38)	34.8 (OD 38)	49
DN 32	32	64	69	401	44.3 (ISO 40)	44.3 (ISO 40)	62
DN 40	40	77.5	76	512	56.3 (ISO 50)	56.3 (ISO 50)	63
DN 65	65	91	103	641	72.9 (ISO 65)	72.9 (OD 76)	78



Options

- Opening by manual force
- Other seals (specific operating conditions): FKM (Fluorocarbon rubber, eq. Viton®), FFKM (Perfluoroelastomer, eq. Kalrez®), VMQ (Silicone), HNBR (Hydrogenated Nitrile rubber), NBR (Nitrile rubber)
- * ØE and ØF: other connection sizes available (please contact us)
- Pneumatic forced opening and inductive detection
- Inductive opening detection
- Can be mounted on H-Connect® flush flange

Warranty

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

Conformity

- PED 2014/68/EU and "ATEX 2014/34/EU, zones 1 & 2, gas and dust" compliant
- Elastomer and plastomer seals compliant with FDA CFR 21.177.2600 and Regulation (EC) 1935/2004
- Option: Seals compliant with USP Class VI

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.