



High performance
pressure safety valve
for tank or process line

SHP®



CE

Sealing:



Optional
sealing:



OVERVIEW:

The valves in the SHP range are PED certified security equipment intended to protect production lines and tanks containing group 2 gaseous fluids against excess pressures (service pressure above 0.5 bar). The pressurised blow-off is collected. SERVINOX possesses tools to dimension a valve with respect to tank or transfer line characteristics (diameter, height) and service conditions.

KEY BENEFITS:

- ▲ High performance safety valve: KD gas and vapour 0.74
- ▲ Flush hygienic design on tank dome with RA less than 0.6 µm
- ▲ Fully autonomous (no external control required for its operation)
- ▲ Compliant with "ATEX 94/9/CE zones 1 & 2, gas and dust"

APPLICATIONS:

- ▲ Tank and process equipment demanding the highest standards in hygiene (agrifood, pharmaceuticals, cosmetics)
- ▲ Tanks subject to PED compliance where the service pressure is more than 0.5 bar
- ▲ Designed to transport groups 1 & 2 gases and water vapours (in line with component compatibility with the products)



TECHNICAL SPECIFICATIONS:

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

Connection: Clamp

Pressure setting: 0.5 to 8 bars

Service temperature: 1 °C (freeze protection) to 200 °C, according to sealing

Permitted fluids: Groups 1 & 2 vapours and gases

Materials in contact with the product:

- Body, seat and non-return valve: 1.4404 (316L) or 1.4409 stainless steel
- Sealing: EPDM (Ethylene-Propylene-Diene Monomer) and NBR (Nitrile rubber) gaskets (max 120 °C)

Materials not in contact with the product: 1.4306 or 1.4307 (304L) or 1.4404 (316L) stainless steel

DIMENSIONS IN MM (STANDARD VERSION):

SIZES	∅A	∅B	C	D	∅E*	∅F*	H
DN 08	8	25	43	132	9.4 (OD 15)	14 (ISO 10)	35
DN 13	13	50.5	60	174	18.1 (ISO 15)	18.1 (ISO 15)	40
DN 20	20	50.5	62	250.5	29.7 (ISO 25)	29.7 (ISO 25)	47
DN 25	25	50.5	57	290	34.8 (OD 38)	34.8 (OD 38)	49
DN 32	32	64	65	308	44.3 (ISO 40)	44.3 (ISO 40)	62
DN 40	40	77.5	83	406	56.3 (ISO 50)	56.3 (ISO 50)	81

OPTIONS:

- Manual forced opening; automatic (from DN20)
- Pressurised inductive opening detection
- Other gaskets (specific service conditions): FKM (Fluorocarbon rubber, eq. Viton®), FFKM (Perfluoroelastomer, eq. Kalrez®), VMQ (Silicone), HNBR (Hydrogenated Nitrile rubber), NBR (Nitrile rubber),
- Gaskets USP Class VI compliant
- * ∅E and ∅F: other connection dimensions possible (please contact us)

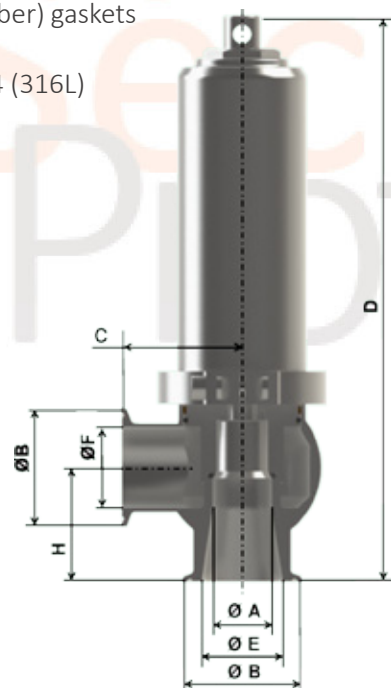
GUARANTEE:

12 months from the date of delivery (except in the case of special conditions)

COMPLIANCE:

- Compliant with European PED 97/23/EC and "ATEX 94/9/EC zones 1 & 2, gas and dust"
- Elastomer and plastomer gaskets compliant with FDA CFR 21.177.2600 and 1935/2004/EC ruling
- Optional: USP Class VI compliant gaskets

SERVINOX follows the recommendations of international guidelines and standards relative to hygienic design and construction, in particular those of the EHEDG and 3-A.



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

Servinox is an ISO 9001:2008 certified company

