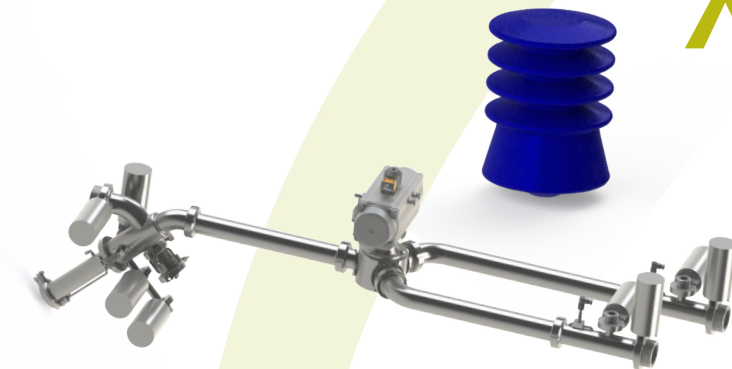


**Pigging system
for process or transfer lines
and all types of fluids**

XSR[®]



Optional :



Gaskets :



OVERVIEW:

Designed to integrate transfer lines perfectly, the Servinox pigging system is intended to recover the residual mass in the piping using a pig. The pig is positioned upstream of the zone to be evacuated, then sent in the piping by a thrusting fluid (gas or liquid).

The standard equipment comprises a launching station, a receiving station and a pig. It can be completed by full flow multi-way valves (MV), which can be used to adapt the lines in order to optimise the pigging phases. Pigging control can be manual or automatic with a pig speed control unit (RVO).

KEY BENEFITS:

- ▲ Reduction in product losses (recovery above 99.5%)
- ▲ Pigging of all products transported in piping (viscous, solid bearing, solidifying, etc.)
- ▲ Enhanced line use flexibility by limiting the risks of cross-contamination
- ▲ Elimination of the dilution phenomenon induced by water thrust without a pig
- ▲ Reduction in the volumes of effluent to be treated
- ▲ Reduction in the consumption of cleaning agents and washing cycles
- ▲ Reduction in the operating costs and return on investment as of the first year of use
- ▲ Customised system that adapts to all types of requirements and constraints

APPLICATIONS:

- ▲ Transfer line pigging for all types of liquids
- ▲ Equipment especially adapted to the lines distributing viscous, solid bearing and/or solidifying liquids (creams, chocolate, caramel, etc.)

TECHNICAL SPECIFICATIONS: PIGGING SYSTEM

Backbone of the pigging system, the launching and receiving stations exist in different versions to adapt to the configuration adopted (see next page).

Sizes:

- **SMS/OD** : 25 mm (1"), 38 mm (1.1/2"), 51 mm (2"), 63.5 mm (2.1/2"), 76.1 mm (3"), 104 mm (4")
- **DIN 11850** : DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150

Connection: Male

Maximum permitted pressure: 10 bar up to DN 100, 8 bar in DN 125 and 6 bar in DN 150 (group 2 fluids: art. 9, 97/23/CE)

Service temperature: From 1 °C to 120 °C

Thrusting fluid: Gas or liquid

Materials:

- Parts in contact with the product: 1.4404 (316L) stainless steel
- Other parts: 1.4301 (304L) stainless steel
- Sealing: EPDM (Ethylene Propylene Diene Monomer)

TECHNICAL SPECIFICATIONS: PIG

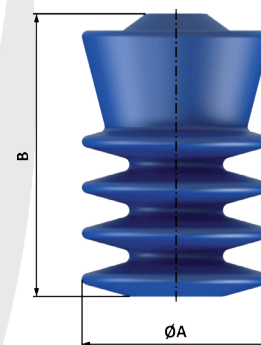
The Servinox patented pig is two-way. Its asymmetrical shape is designed to optimise its operation when it is subjected to counter pressure from the product to thrust.

Materials:

- Elastomer matter and colour: VMQ (Silicone) [blue]
- Elastomer hardness: 50 shore
- Magnetic insert: Neodymium

Pig dimensions (mm):

Sizes	25 mm	38 mm	51 mm	63,5 mm	76,1 mm	104 mm
Tubes	25x1.2	40x1.5	52x1	70x2	85x2	104x2
Ø A Tolérance	23 ±0,35	36,7 ±0,4	49,6 ±0,4	61,7 ±0,5	74,3 ±0,5	102 ±0,7
B	40	65	74	91	110	146



Sizes	DN 25	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150
Tubes	Ø29x1,5	40x1,5	52x1	70x2	85x2	104x2	129x2	154x2
Ø A Tolérance	Ø26,5 ±0,35	37,7 ±0,4	51 ±0,4	67,3 ±0,5	82,6 ±0,5	102 ±0,5	127,5 ±0,7	153 ±0,7
B	42	65	76	97	120	146	183	225

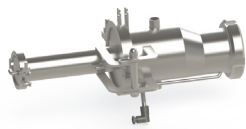
Non contractual document and pictures, subject to change with no prior notice.

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

POSSIBLE CONFIGURATIONS:

Automatic back and forth pigging:

and/or

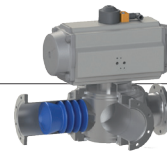
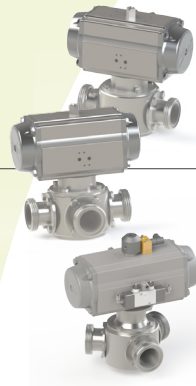


Multi-way
isolation valves

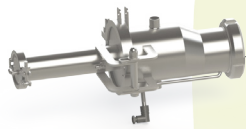
Intermediate
receiving station



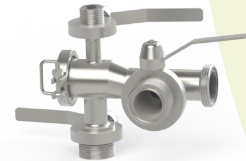
Pigging with integrated CIP:



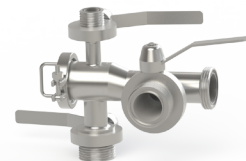
Pigging of solid bearing products:



Manual one-way pigging:



Manual back and forth pigging:



OPTIONS :

- Pigging use security in automatic condition
- Launching station heating element (jacketed piping): Heating fluid flow to avoid the process fluid solidifying in the stations
- Station orientation: horizontal or vertical
- CIP connection/power tap on station
- Process fluid launching station isolation: see sheet ref. MV
- Pig speed control unit: see sheet RVO
- Intermediary station or distribution valve
- Surface state less than 0.8 µm
- Compliant with «ATEX 2014/34/UE zones 1 & 2, gas and dust» on request
- Other gaskets: VMQ (Silicone), FKM (Fluorocarbon rubber, eq. Viton®) or NBR (Nitrile rubber)
- Other pig qualities: EPDM (Ethylene Propylene Diene Monomer), NBR, FKM, PTFE filled VMQ, special mixes on request
- Other connections: Female, clamp, flange
- Customised equipment: please contact us

GUARANTEE:

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

COMPLIANCE :

- Elastomer gaskets compliant with **FDA CFR 21.177.2600** and **1935/2004/EC** ruling
- Optional: Compliant with «**ATEX 2014/34/EC** zones 1 & 2, gas and dust»

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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