



**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

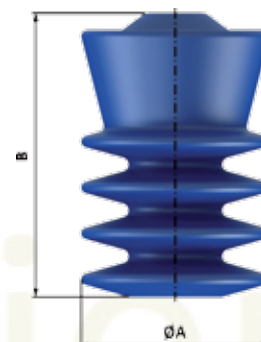
The Servinox patented pig is two-way. Its asymmetrical shape is designed to optimise its operation when it is subjected to counter pressure from the product to thrust.

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 Tolerance	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 Tolerance	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

Servinox makes every effort to update its documents in line with improvements to its products.

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:



This data sheet can therefore be updated with no prior notifications.

Servinox is an ISO 9001:2008 certified company



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 94/9/CE 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 delivery (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 94/9/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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