

# LPAH<sup>®</sup>

Aseptic washing valve for agitated tank

## Presentation



The LPAH aseptic washing valve has been designed to provide enhanced cleaning of the tank during CIP cycles: it reaches the “blind spots” generated by components such as agitators and their shafts, anchors and scrapers.

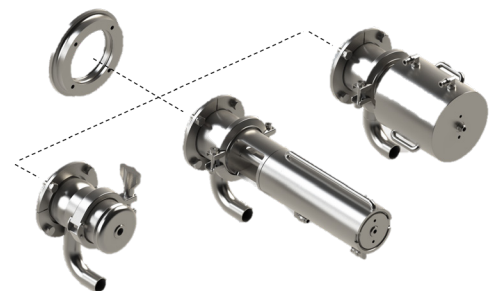
Each LPAH valve is unique: SERVINOX studies the impact zones according to the characteristics of the tank and its components, for optimum washing efficiency and reduced cycle time. Mounted on the tank shell, its flush design means that it does not interfere with or damage the wall scrapers.

## Key features

- Efficiency: Enhanced tank cleaning with the customised design of the spray grid, of which the number, size and orientation of the holes are calculated according to the positioning of the valve and the areas to be impacted inside the tank
- Profitability: Reduced CIP cycle costs
- Productivity: Increased plant availability with reduced CIP times
- Environment: Saves water and detergent
- Autonomy: In the event of a power cut, an assistance spring keeps it closed (double-acting valve control in normal operation)
- Reduced footprint
- Modularity: Body interchangeability with LPA-A & LRA valves

## Applications

- Products requiring aseptic design
- For enhanced sanitation of agitated process tanks with scraping blades or proximity scrapers



## Technical features

**Sizes:** DN 25

**Inlet fitting:** Welding

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**Connection to the tank:** Flush welding flange  
**Operating pressure in tank:** From -1 to +6 bar (if double-acting actuator)  
**Sealing:** Up to 3 bar in the tank in the absence of air in the cylinder  
**Operating temperature:** From +1°C to +120°C  
**Washing flowrate:** 7 m<sup>3</sup>/h at 1.3 bar  
**CIP liquid pressure on closed valve:** 6 bar (cylinder control air 6 bar)

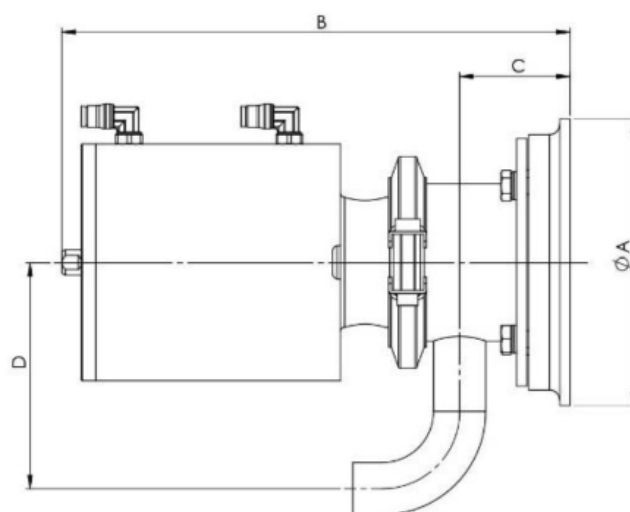
## Materials

- Parts in contact with the product: Stainless steel 1.4404 (316L)
- Other metallic parts: Stainless steel 1.4307 (304L)
- Cylinder body: Ground cylinder tube Stainless steel 1.4307 (304L)
- Seals in contact with the product: EPDM (Ethylene Propylene Diene Monomer) and PTFE (polytetrafluoroethane) for the membrane

## Dimensions in mm

Standard version

Sizes	DN 25
ØA	139
B	247
C	53
D	110



## Options

- Control unit
- Position sensor
- Other inlet connection: clamp
- Specific surface finish
- Sealing: FKM (Fluorocarbon rubber, eq. Viton®) and Silicone (VMQ)

## 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
- Option: Membranes compliant with USP Class VI

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