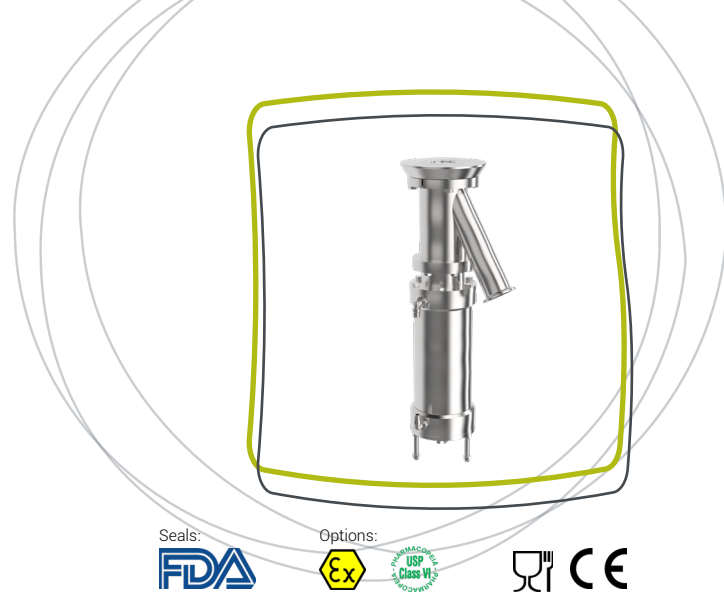


RT[®]

Vacuum powder introduction valve
at the bottom of the tank



Presentation

The RT valve is the result of our teams' knowledge of processes and their extensive expertise in a wide range of sectors (food, processing chemicals, cosmetics, pharmaceuticals, etc.). It illustrates Servinox's ability and determination to develop solutions aimed at improving and securing production processes.

The RT valve is a check valve that allows powder to be introduced under vacuum from the bottom of the tank. Its flush design ensures that there are no retention areas, where bacteria can develop and the formation of wet powder obstruction. The total clearance of the plug and its solid design (the piston rod is the same diameter as the valve) ensure that there is no powder retained in the valve. SERVINOX uses simulation tools for sizing a RT valve according to the characteristics of the tank, the product and the quantities of powder to be introduced.

Key features

- Productivity: study and simulations before sizing for improved efficiency
- Quality: flush design allows to preserve hygiene and product integrity
- Reliability of the production process: quality of dispersions, control of the quantities of powder introduced and repeatability of manufacturing processes
- Protection of operators during the production phase: prevention of risks associated with occupational hazards (handling of loads, exposure to fumes, etc.)
- Maintenance: its position at the bottom of the tank allows for easy access

Applications

- Installation at the bottom of the process tank and vacuum manufacturing reactor
- We recommend completing the installation with a rotor-stator type disperser to ensure that the powder spreads and mixes homogeneously in the liquid, as well as a double-flow suction pipe to avoid any risk of clogging

Technical features

Sizes: DN 25

Connection: Welding

Operating pressure: Flush welding flange

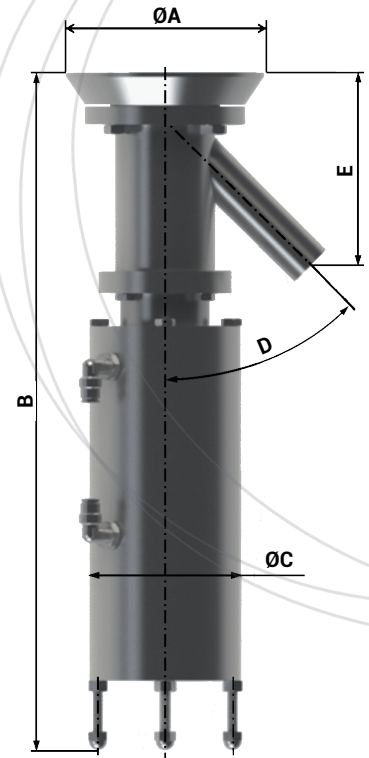
Operating temperature: +1 to 120°C

Materials

- Parts in contact with the product: Stainless steel 1.4404 (316L)
- Other parts: Stainless steel 1.4301 (304L)
- Sealing in contact with the product: FKM (Fluorocarbon rubber, eq. Viton®), PU (Polyurethane)
- Other seals: Perbunan®

Dimensions in mm

Sizes	DN 25 (17.2x1.6)	DN 25 (25x1.25)	DN 40 (38x1.25)	DN 50 (51x1.25)
ØA	90	109	123	148
B	251	370	410	554
ØC	60	83	100	143
°D	45°	45°	30°	30°
E	62	104	165	220



Options

- Control unit (with solenoid valve, standard, ATEX zone 2 or ASi)
- Other fittings: Clamp, male, flange, etc.
- Sealing: PEEK, PFA, EPDM, Silicone, etc.
- Other grades of manufacturing materials on request
- Enhanced sanitation
- Customised equipment: please contact us

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
- Optional: compliant with ATEX 2014/34/EU, zones 1 & 2, gas and dust directive
- Option: Membranes 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.