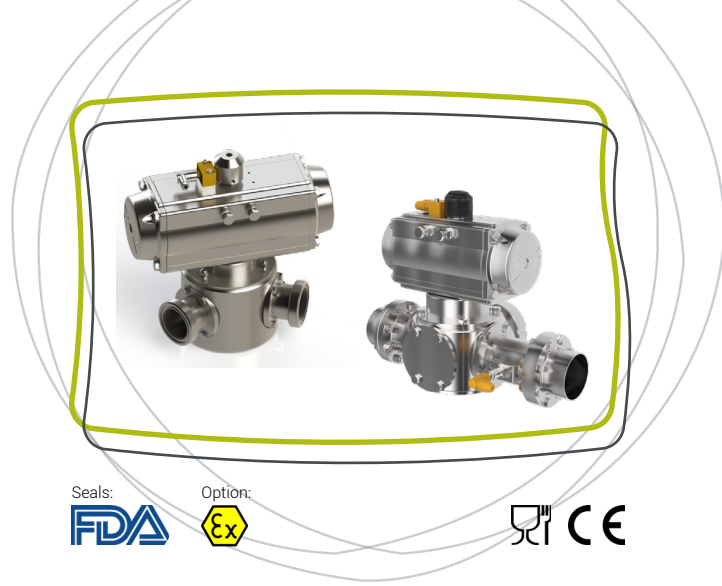




Multi-way valve for process or transfer lines  
and all types of fluids



## Presentation

The multi-way cylindrical ball valve is designed to close one or more circuits or to distribute pressurised fluids to one or more ports. The multi-way valve consists of a body with 2 to 5 ports and a distributor (cylindrical plug) which directs the flow of fluid. Its hygienic design ensures that there are no retention areas, while providing optimal cleanability through pulsation during CIP cycles.

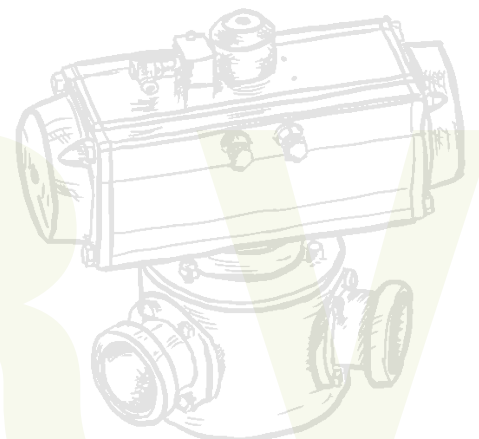
This valve is designed to be used on circuits conveying clear or viscous Group 2 liquid products (as per Article 13 of European Directive 2014/34/EU) and solid-particle laden.

## Key features

- Full passage (version adapted for pigging process)
- Minimisation of pressure losses
- 2 to 5 ports to share lines for several products
- Hygienic design
- Wide range of options to meet every need

## Applications

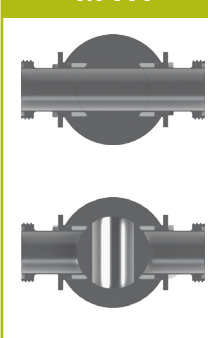
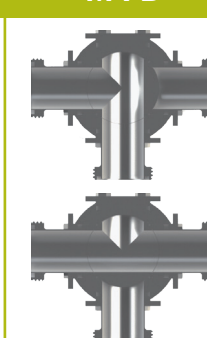
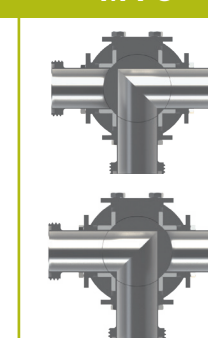
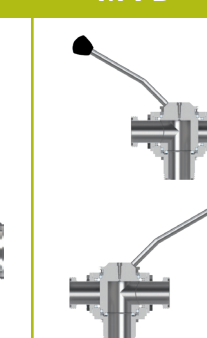
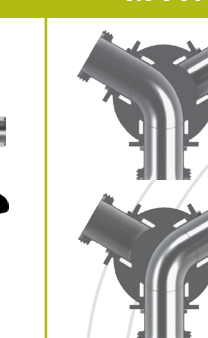
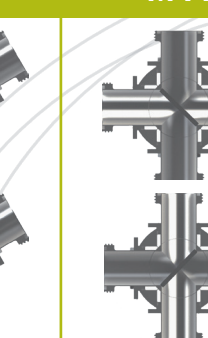
- This equipment is particularly suitable for lines dispensing viscous, laden and/or solidifying liquids (creams, chocolate, caramel, paints, lubricants, etc.)
- Particularly suitable for lines with pigging systems: can be used as a distribution or isolating valve, or as an intermediate station (receiving version adapted for pigging process)



# SER

## Versions available

The valve body may feature 2 to 5 ports and a distributor (cylindrical plug) which directs the flow of the fluid:

MVA	MVB	MVC	MVD	MVH	MVI
					
Go/No-go valve	180° T-shaped distributor	90° L-shaped distributor	L-shaped distributor Rear product inlet port	L-shaped distributor 120° or 135°	L/L-shaped distributor at 90° 2 inlets/outlets
<b>Adapted to pigging process</b>	<b>Adapted to pigging process</b> if guide-stop option	<b>Not adapted to pigging process</b>	<b>Not adapted to pigging process</b>	<b>Adapted to pigging process</b>	<b>Not adapted to pigging process</b>

## Technical features

### Sizes:

- SMS: 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 10, DN 15, DN 20, DN 25, DN 32, DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150

**Connection:** Male

**Product pressure:** Vacuum at 10 bar (if < DN 100)

**Operating temperature:** From 1°C to 120°C

## Materials

- Parts in contact with the product: Stainless steel 1.4404 (316L)
- Other parts: Stainless steel 1.4301 (304L)
- Sealing: TFM 1600 PTFE bushings and EPDM (Ethylene Propylene Diene Monomer) seals

The standard Ra for valves is 0.8 µm inside.

Standard manual valves DN 10 to DN 65 are fitted with an operating lever.

DN 80 and DN 100 manual models are fitted with a double operating lever.

From DN 80 upwards, we recommend a pneumatic or electric actuator.

All valves have a marking on the underside of the distributor, which shows the exact position of the ports.

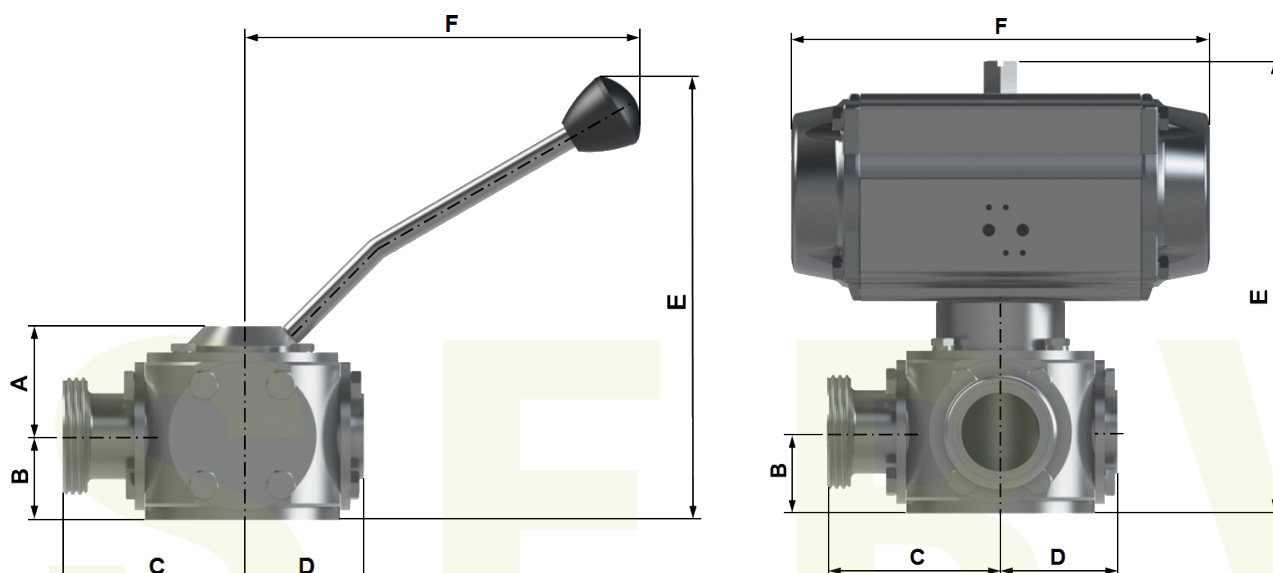
## Standard dimensions in mm

Sizes	DN 10	DN 15	DN 20	DN 25 SMS25	DN 32
<b>A</b>	25	28.5	31.5	34	40.5
<b>B</b>	20	24.5	26	29.5	35.5
<b>C</b>	55	63.6	78.1	78	78
<b>E</b>	64	55	98	115	101
<b>F</b>	71	71	110	135	146

Sizes	DN 40 SMS38	DN 50 SMS51	SMS63.5	DN 65	DN 80 SMS76.1
<b>A</b>	49	57.5	65.5	65.5	78.5
<b>B</b>	43	50	58	58	67.5
<b>C</b>	96.2	107	123	117	139
<b>E</b>	155	155	198	198	250
<b>F</b>	160	205	265	265	295

Sizes	DN 100 SMS104	DN 125	DN 150
<b>A</b>	89	-	65.5
<b>B</b>	81.5	110	134
<b>C</b>	160	292	390
<b>E</b>	265	-	-
<b>F</b>	295	-	-

**Note:** The MVH model is only available from DIN 11850 DN 25 upwards



## Options

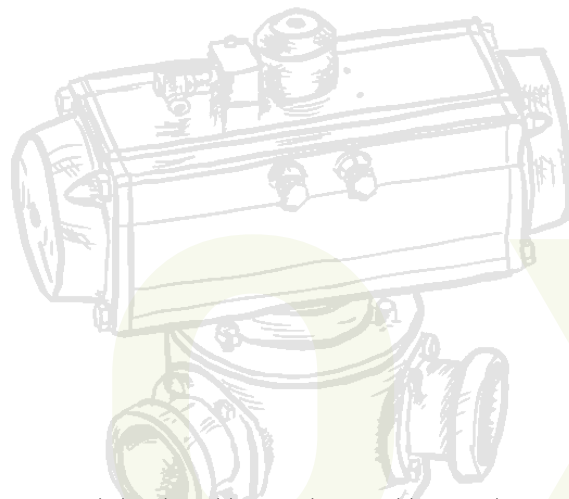
- Operating stop for handle: prevent the risk of mixing fluids and uncontrolled handling
- Position detection for lever (inductive sensors)
- Automatic version (electric or hydraulic actuator)
- Motorised version
- Accessories (solenoid valve, servo-valve, detection, etc.) As-i, I/O Link, 24 Vdc
- Distribution or receiving versions adapted to pigging process
- Heating element
- Enhanced cleaning version
- Other fittings: Clamp, female, aseptic flange, flange, etc.
- Sealing - other materials available for bushings: PTFE bushings (Polytetrafluoroethylene, eq. Teflon®) up to 90°C, Polyethylene, glass-filled PTFE
- Sealing - other materials available for seals: NBR (Nitrile rubber), FKM (Fluocarbon rubber, eq. Viton®), VMQ (Silicone), VMQ coated with PTFE (Polytetrafluoroethylene, eq. Teflon®), FFKM (Perfluoroelastomer, eq. Kalrez®)
- Specific surface finish
- Other grades of manufacturing materials
- 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
- Option: "ATEX 2014/34/EU, zones 1 & 2, gas and dust" compliant
- Option: BNIC compliance



*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.*