PROCESS PLANTS
AUTOMATION
ROBOTICS

# JAG SW Diverter Valve

## A product of JAG Jakob AG designed to meet the highest standards

The JAG SW has been developed for use in piping systems in which powder solids are conveyed by compressed air or vacuum.

Suitable for applications where space is at a premium and extremely stringent standards must be met in the pharmaceutical, biotech, chemical and food industries.

## Function

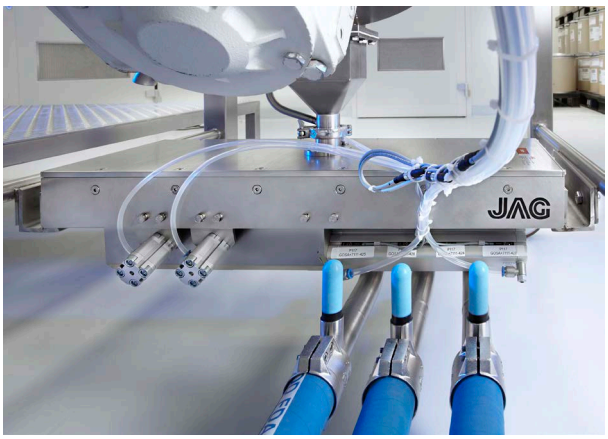
A pneumatic slide system establishes the desired connection. The slide is located by means of pneumatic positioning elements. A pneumatic pressure seal guarantees maximum sealing effect while the product is being conveyed. The pressure seal is actively relieved by a vacuum element for the sliding process.

## Features and benefits of the JAG SW Diverter Valve

- Compact design minimizes space requirement
- A pneumatic pressure seal prevents leakage and contamination while the product is being conveyed
- Suitable for use in clean rooms
- Robust and simple design facilitates cleaning and minimizes wear
- CIP/SIP suitable
- Active relief of the pneumatic pressure seal for the slide operation reduces wear

## Technical data

| | |
|---|---|
| **General** | |
| Operating temperature | 4-40°C |
| Noise emission | < 80 dB(A) |
| Slide stroke ranges | 80mm / 160mm / 240mm |
| **Material** | |
| Parts in contact with the product | Stainless steel 1.4404/35 |
| Parts not in contact with the product | Stainless steel 1.4301 |
| Standard parts | A2 / A4 |
| Seals in contact with the product | EPDM / PTFE |
| Seals not in contact with the product | EPDM /NBR |
| **Pneumatic** | |
| Operating pressure general | max. 6,0 bar |
| Operating pressure<br>Pressure sealing system | 2,0 bar - 4,0 bar |
| Air unions | G1/8" internal thread / hose Ø8/6mm |
| Driver medium | compressed air processed in compliance with ISO 8573-1, classe 5 |

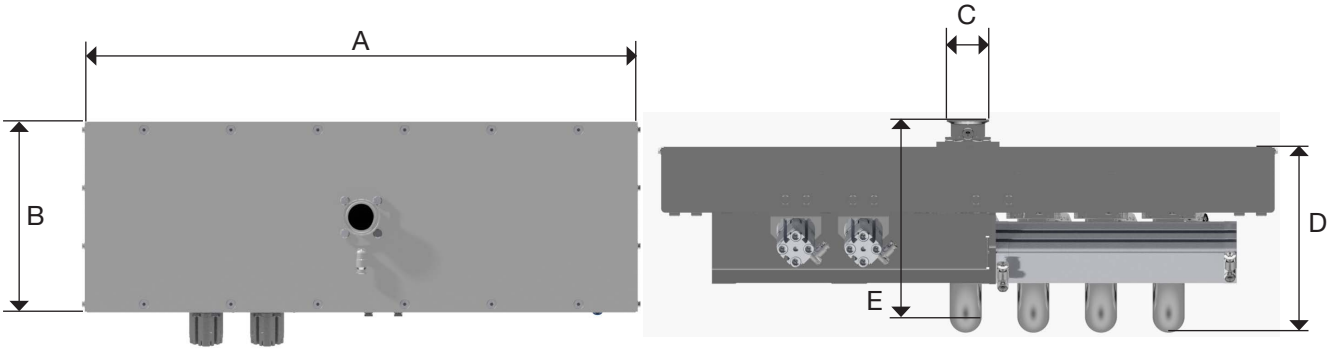


## Ordering Data

| Description | Article number | Configuration |
|---|---|---|
| JAG SW diverter valve 1-4 / Ø38 | M041.001.049.004 | 1/4 way |
| JAG SW diverter valve 1-3 / Ø38 | M041.001.049.003 | 1/3 way |
| JAG SW diverter valve 2-1 / Ø38 | M041.001.049.002 | 2/1 way |

## Dimensions

| Description | A | B | C | D | E |
|---|---|---|---|---|---|
| JAG SW diverter valve 1-4 / Ø38 | 250 mm | 726 mm | Ø38.1 mm | 219.3 mm | 220.25 mm |
| JAG SW diverter valve 1-3 / Ø38 | | | | | |
| JAG SW diverter valve 2-1 / Ø38 | | | | | |

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