



Air operated valve for high vacuum

AVB⁴₅⁶₇ 1V Series

- Formed bellows type
- Aluminum body type



Model No.	Actuation	Orifice
AVB41V	NC	ø16
AVB51V	NC	ø24
AVB61V	NC	ø40
AVB71V	NC	ø50

Much smaller and lighter with aluminum body

● Miniature switch mountable

A reed switch (proximity, reed) can be connected to confirm the operation. (The switch rail kit is required for retrofitting.)

● Long-life formed bellows

Material: SUS316L

Durability: 1 million times (*1)

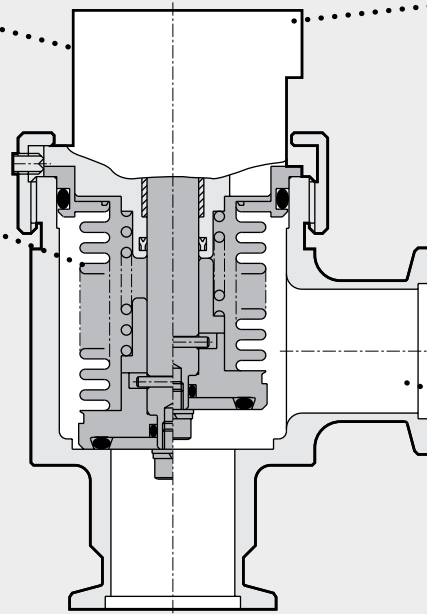
*1 Life when working media is inert gas within specified range, which does not contain solids such as reaction products.

● Usable with back pressure

The vacuum pump can be connected to either port.

● Quick attachment and removal

The bellows can be attached and removed easily using a hexagon wrench. This greatly reduces "washing" and "replacement" processes.



● 30% lower total height

The compact body uses less space than the conventional model (AVB**3).

● No gas traps

There is no dead space where gas may get trapped. (Body has no welded parts.)

● Low dust generation

Wetted areas (flow path) have no sliding sections that may generate particles.

● Light weight

(Average 60% lighter than conventional product)
The aluminum body and dedicated actuator reduce the weight by approx. 1/3 of the conventional product (SUS body).

⚠ Precautions

Always read page 9 in the introduction and the precautions on page 88 to 91 to ensure correct, safe use of this product.

- Working media
- Installation
- Direction when connecting piping
- Proximity switch, reed switch