

AVB□□7/MVB□□17 Series

Provides high reliability, contributing to reduced running costs and improved productivity.

High durability is achieved through a special structure featuring CKD's original formed bellows. Reduces maintenance hours and waste, contributing to improved productivity and a lower environmental footprint.

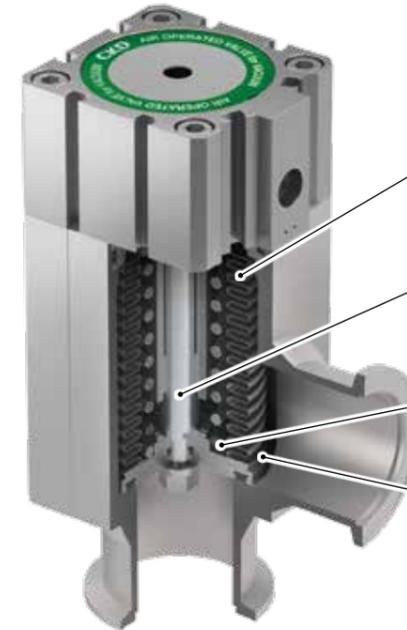


Lineup

○: High-Temperature Specification

| Model No. | Actuation Method | Connection | | | | | | | | Indicator Standard equipment |
|-----------|------------------|------------|------|------|------|------|------|-------|-------|---------------------------------|
| | | NW16 | NW25 | NW40 | NW50 | NW63 | NW80 | NW100 | NW160 | |
| AVB□ 17 | NC | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| AVB□ 47 | Two-stage | | ○ | ○ | ○ | ○ | | | | ○ |
| AVB□ 37 | Double acting | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| MVB□ 17 | Manual | ○ | ○ | ○ | ○ | | | | | ○ |

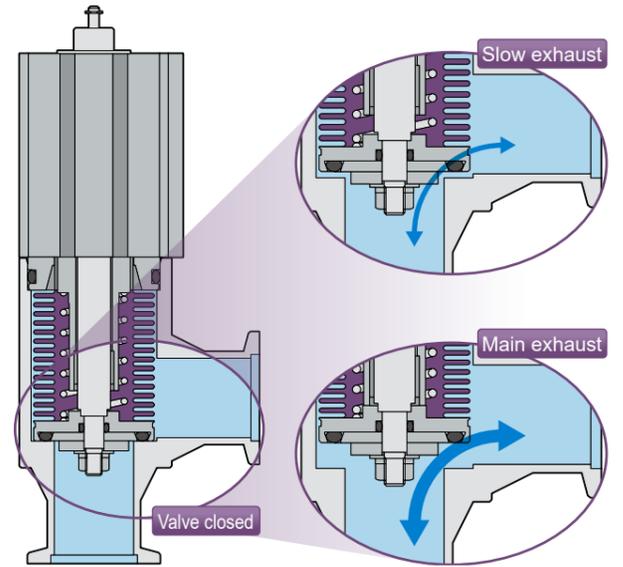
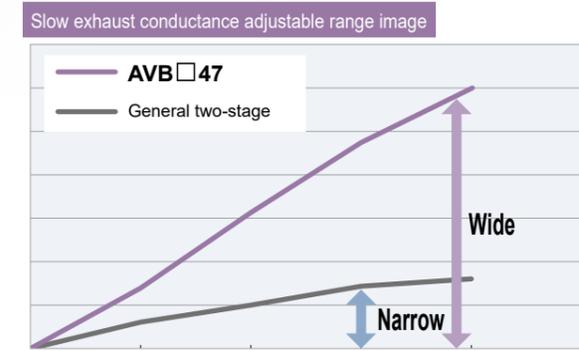
High Durability and Long Life



- High durability bellows adopted.**
Optimal design for each bore size based on stress analysis.
 - Anti-deflection structure**
Guide position is considered to reduce stress concentration.
 - Prevents O-ring displacement**
Demonstrates stable sealing performance and is resistant to sticking.
 - Mitigates impact stress during valve operation.**
Cushion structure reduces impact stress.
- Achieves proven high durability of 3 million cycles***
*Under our specified conditions

2-Stage Slow Exhaust (AVB□47 Series)

A unique 2-stage cylinder structure achieves both main and slow exhaust in the same flow path. Compared to general 2-stage types, it offers a wider exhaust flow investigation range, lighter weight, and longer life.



Improved Usability

- Reduces weight by adopting an aluminum body
- Increased flexibility in design such as mounting and piping layout
- Improvement of visibility by using an indicator as standard



(Photo shows MVB□17 Series)

AGD
OGD
MGD Process Gas Valve
LGD
High Durability
Other Gas Components
PGM Regulator
IAGD Integrated System
AVB High Vacuum Valve
MVB High Vacuum Valve
IAMB Vacu Press Control Sys

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