

Fluid control components for air blow

■ For compressed air

Overview

Among the wide variety of CKD fluid control components for air blow are the solenoid valve for simple air blowing applications at plants, the pulsejet valve PD Series developed to eliminate dust in bag filter dust collectors, and the PJ Series developed for sorting rice and other grains.

Features

<PJ>

Ultra-quick response

Use at 1 msec or less/1000 Hz is possible.

Long service life

Durability: 1 billion cycles or more

Ultra thin and large flow rate

Width: 11 mm

Flow characteristics C: 0.34 [dm³/(s·bar)]

* Effective sectional area S and sonic conductance C are converted as $S = 5.0 \times C$.

<Pulsejet valve>

Long service life diaphragm structure

Spring-less special diaphragm structure and high wear resistant moving parts enable 2.5 times longer service life (compared to conventional parts).

(PD3/PDV3 [urethane diaphragm type])

A large volume of air can be injected instantly. High speed of opening and closing dramatically reduces the air loss of shots.

"An integrated diaphragm used for the main valve section enables parts to be easily replaced."

(PD3/PDV3 [urethane diaphragm type])

<Controller>

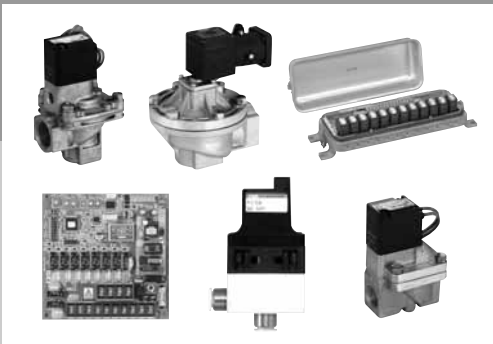
Double-striking available

The valve can be set to single or double-striking, depending on the application. (Note that double-striking is not possible when quiescent time is set.) The number of steps is easily changed.

No sequence circuit required

Simple circuits used for expansion eliminate the need for sequence circuit.

The quiescent time can be set for each cycle.



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▲ Always read the precautions in the Introduction and page 662 before starting use.

HNB/G

USB/G

FAB/G

FGB/G

FVB

FWB/G

FHB

FLB

AB

AG

AP/
AD

APK/
ADK

For
dry air

Explosion
proof

HVB/
HVL

SAB/
SVB

NP/NAP/
NVP

CHB/G

MXB/G

Other G.P.
systems

PD/FAD/
PJ

CVE/
CVSE

CPE/
CPD

Medical
analysis

Custom
order

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