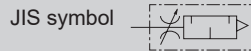




Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

Metering valve with silencer SMW2 Series

● Port size: R1/8 to R1/4



P4 compliant
as standard



P4
Series

Pneumatic
cylinders
Hand/
Chuck
Related
products
Cylinder
Switch

Vacuum components
Pneumatic valves

Clean air
components
controller

Speed
Fitting

Auxiliary
valve
Silencer

Tube

Gas generator
Fluid control components

Motor
specification
Motorless
specifications

Electric actuator

Features

- Compact, lightweight, and high flow rate
Volume reduced by 50%, and weight reduced by 80% compared with conventional series, while max. effective cross-sectional area in the class is achieved.
- Noise reduction effect of 23dB(A) or higher
P.P. sintering element with high damping effect integrated into the body to maintain low noise level.
- Uses a push-lock needle
Knob with push lock mechanism enables easy and secure locking.
- Environmental friendly design
By using plastic material only, sorting at disposal is eliminated.

Specifications

Item	SMW2-6A	SMW2-8A
Working fluid	Compressed air	
Max. working pressure MPa	0.7	
Min. working pressure MPa	0	
Proof pressure MPa	1.05	
Fluid temperature °C	5 to 60	
Ambient temperature °C	-10 to 60 (no freezing)	
Ambient humidity %RH	85 or less	
Port size R	1/8	1/4
Weight g	4.5	5
Cylinder bore size mm	ø20 to ø50	ø32 to ø75
Dial value (needle position)	9	
Noise reduction effect (*2) dB [A]	23 or more	28 or more
Flow rate (*1) l/min (ANR)	370	660
Effective cross-sectional area mm ²	5.6	9.9

*1: Flow rate is the atmospheric pressure conversion at 0.5 MPa.

*2: Noise reduction effect at maximum flow rate is shown.

Compatibility table by variation

	SMW2
Port size	R1/8, 1/4
P4	Standard compliance

●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details.
□: Not applicable

How to order

SMW2 - 6A

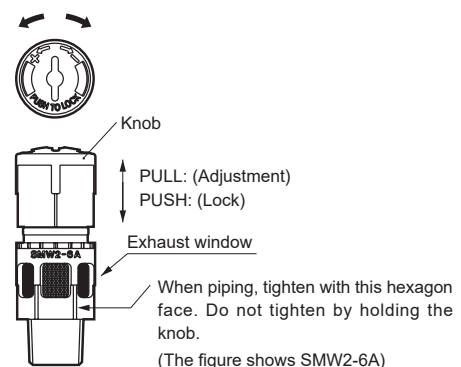
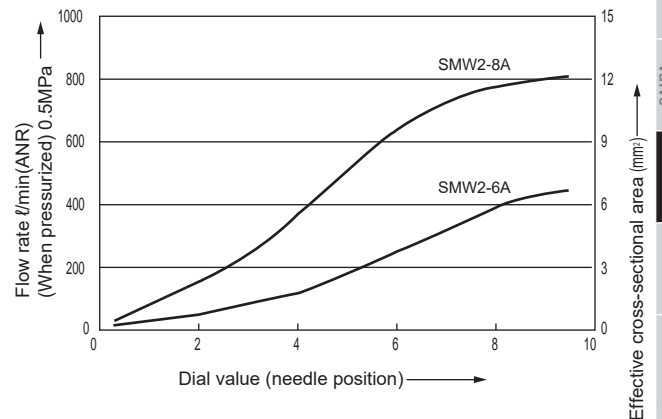
Code	Description
A Port size	
6A	R1/8
8A	R1/4

* P4 compliant as standard.

How to use

- The needle lock is released when the knob is pulled, and is locked when pressed.
- Pull the knob and the release the lock before adjusting the flow rate.
The knob opens when turned to the left and closes when turned to the right.
- Return the knob to the closed state, and gradually open it to adjust speed.
- After adjusting speed, press the knob and confirm that the needle is locked.

Flow characteristics



CKD