

Speed Controller with One-touch Fittings In-line Type/Panel Mount Type

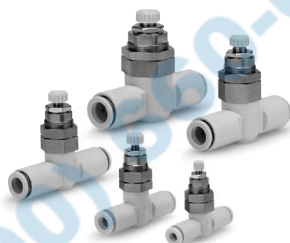
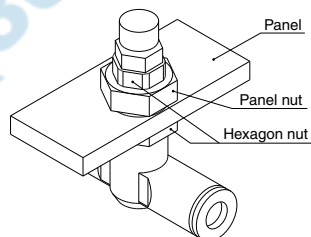
AS□□□1F-3 Series

RoHS

Panel mount thickness:
3.5 mm at the maximum

Easy installation and removal

Installment of hexagon nuts on panel nuts up and down in two locations enables user to mount or remove it depending upon the situation.



Symbol



Flow Direction Symbols on Body



Made to Order
(For details, refer to page 622.)

Symbol	Specifications
-X12	Lubricant: Vaseline
-X21	Grease-free (Seal: Fluorine-coated) + Throttle valve (Without check valve)
-X214	Throttle valve (Without check valve)

Model

Model	Applicable tubing O.D.											
	Metric size						Inch size					
	3.2	4	6	8	10	12	1/8"	5/32"	3/16"	1/4"	5/16"	1/2"
AS1001F	●	●	●				●	●	●			
AS2001F		●	●					●	●	●		
AS2051F			●	●					●	●	●	
AS3001F			●	●	●	●				●	●	●
AS4001F					●	●					●	●

Specifications

Fluid	Air
Proof pressure	1.5 MPa
Max. operating pressure	1 MPa
Min. operating pressure	0.1 MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Applicable tubing material ⁽¹⁾	Nylon, Soft nylon, Polyurethane

Note 1) Use caution regarding the max. operating pressure when soft nylon or polyurethane tubing is used.
(Refer to pages 464 and 465 for details.)

Note 2) Brass parts are all electroless nickel plated.

Flow Rate and Sonic Conductance

Model	AS1001F	AS2001F	AS2051F	AS3001F	AS4001F
Tubing O.D.	Metric size ø3.2, ø4, ø6	ø4	ø6	ø8	ø10, ø12
	Inch size ø1/8", ø5/32", ø3/16", ø1/4"	ø5/32"	ø3/16", ø1/4"	ø1/4", ø5/16"	ø3/8", ø1/2"
Controlled flow	Flow rate (L/min(ANR))	100	130	230	290
Free flow	Sonic conductance (dm ³ /(s·bar))	0.28	0.36	0.64	0.8
Critical pressure ratio	Controlled flow	0.2	0.2	0.2	0.2
	Free flow	0.25	0.25	0.25	0.25

Note) Flow rate values are measured at 0.5 MPa and 20°C.

How to Order

AS **200** 1 F - **06** - **3** - **□** - **□**

Body size

100	M5 standard
200	1/8 standard
205	1/4 standard
300	3/8 standard
400	1/2 standard

Panel mount type

Lock nut option

NII	Hexagon lock nut
J	Round lock nut

Made to Order
Refer to page 622 for details.

With One-touch fittings

Applicable tubing O.D. ^{Note)}

Metric size	Inch size
23 ø3.2*	01 ø1/8"
04 ø4	03 ø5/32"
06 ø6	05 ø3/16"
08 ø8	07 ø1/4"
10 ø10	09 ø5/16"
12 ø12	11 ø3/8"
	13 ø1/2"

Note) For applicable tubing O.D. selection, refer to the Model.

* Use ø1/8" tube.