

# Stainless Steel Type Speed Controller with Indicator (In-line Type)

# 10-AS-FSG Series



RoHS

## Model

Model	Applicable tubing O.D.											
	Metric size						Inch size					
	3.2	4	6	8	10	12	1/8"	5/32"	1/4"	5/16"	3/8"	1/2"
10-AS1002FSG	●						●					
10-AS2002FSG		●	●					●	●			
10-AS2052FSG			●	●					●	●		
10-AS3002FSG			●	●	●	●			●	●	●	
10-AS4002FSG					●	●					●	●

## Specifications

Fluid	Air
Proof pressure	1.5 MPa
Max. operating pressure	1 MPa
Min. operating pressure	0.1 MPa
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Applicable tubing material	Nylon, Soft nylon, Polyurethane <sup>*1</sup> , FEP, PFA
Grease	Fluorine grease
Cleanliness class (ISO class)	Class 5

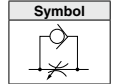
\*1 Use caution at the max. operating pressure when using soft nylon or polyurethane tubing. (Refer to the **Web Catalog** for details.)

## Flow Rate and Sonic Conductance

Model		10-AS1002FSG□			10-AS2002FSG□			10-AS2052FSG□			10-AS3002FSG□			10-AS4002FSG□	
Tubing O.D.	Metric size	ø3.2	ø4	ø6	ø4	ø6	ø6	ø8	ø6	ø8	ø10	ø12	ø10	ø12	
	Inch size	ø1/8"	ø5/32"	ø1/4"	ø5/32"	ø1/4"	ø1/4"	ø5/16"	ø1/4"	ø5/16"	ø3/8"	—	ø3/8"	ø1/2"	
C values: Sonic conductance dm <sup>3</sup> (s-bar)	Free flow	0.3	0.4	0.6	0.4	0.6	1.0	1.2	1.1	1.6	2.2	2.6	2.4	3.5	
	Controlled flow	0.3			0.4	0.6	1.0	1.2	1.3	1.9	2.7	3.3	2.8	4.1	
b values: Critical pressure ratio	Free flow	0.3			0.2		0.3			0.1			0.2		
	Controlled flow	0.2	0.3	0.4	0.2			0.2	0.3	0.1		0.2	0.1	0.2	

\* C and b values are for controlled flow with the needle fully open and free flow with the needle fully closed.

Flow Direction  
Symbol on Body



## How to Order

10-AS 200 2 FSG 1 - 06

### Body size

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

With indicator

Stainless steel type (Stainless steel 303)

### Applicable tubing O.D.<sup>\*1</sup>

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

\*1 For selecting applicable tubing O.D., refer to the "Model" shown above.

\*2 Use ø1/8" tubing.

### Indicator direction

Nil	0°		2	90°	
1	180°		3	270°	

Dimensions and flow rate characteristics are the same as standard product (pages 5 to 7). Refer to page 4 for the manifolds (DIN rail bracket mounting/L-bracket mounting).