

Tamper Proof Speed Controller Elbow/Universal Type

Series **AS** **1F**

Features

- ▶ Tamper resistant adjustment.
- ▶ Body swivels 360°.
- ▶ Accurate speed control at low velocity.
- ▶ Meter-in and meter-out option.
- ▶ Retainer prevents accidental loss of needle.
- ▶ Available as elbow or universal body type.

Specifications

Proof pressure	1.5MPa
Max. operating pressure	1MPa
Min. operating pressure	0.1MPa
Ambient and fluid temperature	-5 to 60°C (With no condensation)
Number of needle rotations	10 rotations (8 rotations Note1)
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane

Note1) In case of AS1201F-M5 and AS1211F-M5 types.

In case of AS1301F-M5 and AS1311F-M5 types.

Note2) Pay attention to the maximum operating pressure when soft nylon or polyurethane is used.

Note3) Brass parts of standard products are all electroless nickel plated.



■ Applicable tubing O.D.: Metric Size

JIS Symbol



Flow rate control with special tools for safety measures.

Elbow type



Universal type



Special tool (AS-T-1)



Model

Port size	Applicable tubing O.D.						Applicable cylinder tubing I.D. mm	Elbow type		Universal type	
	Metric size							Meter-out	Meter-in	Meter-out	Meter-in
	3.2	4	6	8	10	12					
M5	●	●	●				6,10,16,20	AS1201F-M5	AS1211F-M5	AS1301F-M5	AS1311F-M5
R1/8	●	●	●	●	●	*	20,25,32	AS2201F-01	AS2211F-01	AS2301F-01	AS2311F-01
R1/4		●	●	●	●		20,25,32,40	AS2201F-02	AS2211F-02	AS2301F-02	AS2311F-02
R1/4			●	●	●	●	40,50,63	AS3201F-02	AS3211F-02	AS3301F-02	AS3311F-02
R3/8			●	●	●	●	40,50,63	AS3201F-03	AS3211F-03	AS3301F-03	AS3311F-03
R1/2					●	●	63,80,100	AS4201F-04	AS4211F-04	AS4301F-04	AS4311F-04

Note 1) *Elbow type only.

Note 2) The meter-in and meter-out types are visually distinguished by the flow direction symbol on the resin body.

How to Order

AS 2 2 1 1 F — 01 — 06 S T

Body size

1	M5 standard
2	1/8, 1/4 standard
3	3/8 standard
4	1/2 standard

Type

2	Elbow
3	Universal

Control method

0	Meter-out
1	Meter-in

With one-touch fitting

Port size

M5	M5
01	R1/8
02	R1/4
03	R3/8
04	R1/2

Applicable tubing O.D.

23	ø3.2*
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12

Adjusting type

T	Tamper proof
D	Flat head screwdriver

With sealant

Note) S is not necessary in case of types with a M5 port, which do not have sealant. Types with gasket are standardized.

* Use ø1/8 tube.