

Speed Controller: Standard Type

Series AS

Elbow Type (Metal Body)

Minimizes installation time and cost

Fittings and tubing are not necessary because this type screws directly into the actuator. Thus, piping labor and cost can be eliminated.

Body swivels 360°

Swivel type allows free setting of piping.

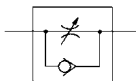
Speed may be accurately controlled even at low speeds.

Able to control and set a constant speed easily.

Retainer prevents accidental loss of needle.



JIS Symbol



P.15-11-3

Model/Specifications

Specifications		Model		AS1200-M3	AS1400-M3	AS12□0-M5	AS12□0-U10/32	AS22□0-01	AS22□0-02	AS32□0-03	AS42□0-04
Port size		M3 x 0.5		M5 x 0.8		10-32UNF		1/8	1/4	3/8	1/2
Applicable cylinder bore size (mm)		2.5, 4, 6		6, 10, 15, 20, 25		20, 25, 32, 40		32, 40, 50, 63		80, 100	
Proof pressure		1.05 MPa		1.5 MPa							
Max. operating pressure		0.7 MPa		1 MPa							
Min. operating pressure		0.1 MPa		0.1 MPa							
Ambient and fluid temperature		-5 to 60°C (No freezing)									
Number of needle rotation		10 turns		8 turns		10 turns					
Option		—		Hexagonal lock nut		With seal, Hexagonal lock nut, Nickel plated					
Weight (g)		3	6	10		29	64	106	181		
Controlled flow	Flow rate ℓ/min (ANR)	20		105		230	460	920	1700		
(Free flow)	Effective area (mm ²)	0.3		1.6		3.5	7	14	26		

Note 1) Flow rate values are measured at 0.5 MPa and 20°C.

Note 2) Meter-in type not available on AS1200-M3, AS1400-M3.

Note 3) Distinction between meter-out/meter-in types by appearance.

Those are distinguished by the lock nut. The meter-out type is electroless nickel plated, while the meter-in type is black zinc chromate plated.

Note 4) AS1200, AS1400, AS22□0 are electroless nickel plated as standard. (N specifications)

How to Order

AS	2	2	0	0	—	01	S
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Body size

1	M3, M5 standard
2	1/8, 1/4 standard
3	3/8 standard
4	1/2 standard

Type

2	Direct cylinder elbow type
4	Direct cylinder flat elbow type

Control type

0	Meter-out
1	Meter-in

Thread type

Symbol	Cylinder side	Tube side
Nil	R	Rc
	Metric thread (M3, M5)	
	Unified thread (10-32UNF)	
N	NPT	
F	G *	

* Male thread comes with R thread.

Option

Nil	None
S	With seal
K	Hexagonal lock nut
N	Electroless nickel plated

* If more than one option is required, write option part numbers in the order of "S", "K", "N".

Bore size

Symbol	Bore size	Applicable series
M3	M3 x 0.5	AS1200-M3 AS1400-M3
M5	M5 x 0.8	AS12□0-M5
U10/32	10-32UNF	AS12□0-U10/32
01	1/8	AS22□0-01
02	1/4	AS22□0-02
03	3/8	AS32□0-03
04	1/2	AS42□0-04