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.









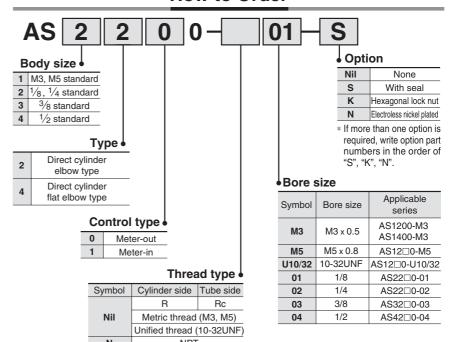
Model/Specifications

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 >	¢ 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, 1	5, 20, 25	20, 25,	32, 40	32, 40, 50, 63	80, 100		
Proof pressure		1.05	MPa	1.5 MPa							
Max. operating pressure		0.71	MРа	1 MPa							
Min. operating pressure		0.1 [MРа	IPa 0.1 MPa							
Ambient and fluid temperature		-5 to 60°C (No freezing)									
Number of needle rotation		10 turns		8 tı	ırns	10 turns					
Option		_		Hexagonal lock nut With seal, Hexagonal lock nut, Nickel plate							
Weight (g)		3	6	1	0	29	64	106	181		
Controlled flow	Flow rate ℓ/min (ANR)	20		10)5	230	460	920	1700		
(Free flow)	Effective area (mm²)	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



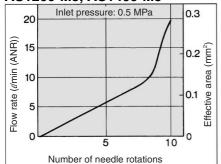
^{*} Male thread comes with R thread.

G *

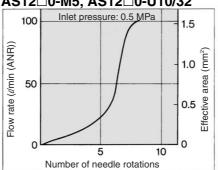
Speed Controller: Standard Type Elbow Type (Metal Body) Series AS

Needle Valve/Flow Characteristics

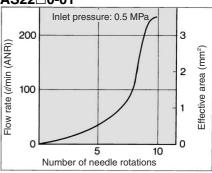
AS1200-M3, AS1400-M3



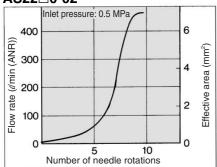
AS12□0-M5, AS12□0-U10/32

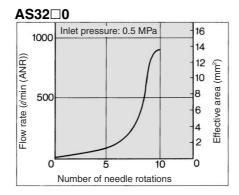


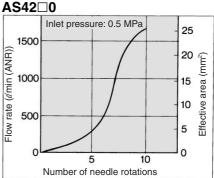
AS22□0-01



AS22□0-02







Be sure to read before handling. Refer to pages 15-18-3 to 15-18-4 for Safety Instructions and Common Precautions on the products mentioned in this catalog, and refer to pages 15-8-6 to 15-8-8 for Precautions on every series.

AS

ASP

ASN

AQ

ASV

AK

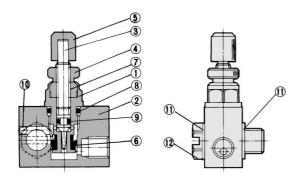
ASS

ASR

ASF

Series AS

Construction: AS1400-M3



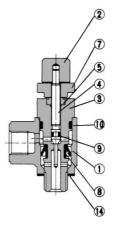
Component Parts

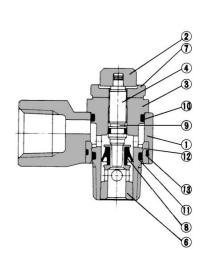
No.	Description	Material	Note
1	Body B	Brass	Electroless nickel plated
2	Body A	Brass	Electroless nickel plated
3	Needle	Brass	Electroless nickel plated
4	Lock nut	Brass	Electroless nickel plated
(5)	Handle	Brass	Electroless nickel plated
6	U seal	HNBR	
7	Needle guide	Brass	Electroless nickel plated
8	O-ring	NBR	
9	O-ring	NBR	
10	Steel ball	Chromium bearing steel	
11)	Gasket	PVC	
12	Joint	Brass	Electroless nickel plated

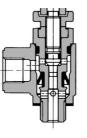
Construction: AS1200-M3, AS12□0-M5, AS22□0/32□0/42□0

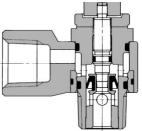
Meter-out type AS1200-M3, M5, U10/32

AS2200, 3200, 4200



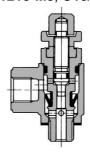


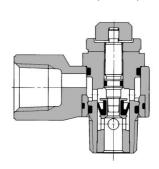




Meter-in type AS1210-M5, U10/32

AS2210, 3210, 4210





Component Parts

	•					
No.	Description	Material	Note			
1	Body A	Zinc alloy				
2	Handle	Brass	Electroless nickel plated			
3	Body B	Brass	Electroless nickel plated			
4	Needle	Brass	Electroless nickel plated			
(5)	Needle guide	Brass	Electroless nickel plated			
6	Seat ring	Brass	(1)			
7	Lock nut	Brass ⁽²⁾	Electroless nickel plated(3)			
8	U seal	NBR				
9	O-ring	NBR				
10	O-ring	NBR				
11)	O-ring	NBR				
12	Bushing	PBT	01 to 04 type			
13	O-ring	NBR	01 to 04 type			
14)	Gasket	PVC	M3 type			
	Gasket	NBR, Stainless steel	M5, U10/32 type			

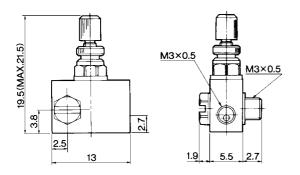
Note 1) AS22□0 type is electroless nickel plated.
Note 2) AS22□0 type is made of steel.
Note 3) Meter-in type is black zinc chromate plated.

Speed Controller: Standard Type Elbow Type (Metal Body) Series AS

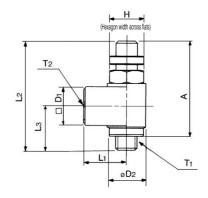
Dimensions: AS-1200-M3, AS12□0-M5,

AS22□0, 32□0, 42□0

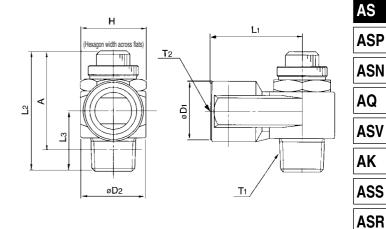
AS1200-M3 AS12□0-M5 AS12□0-U10/32



Dimensions: AS1400-M3



AS22□0, 32□0, 42□0



Dimensions

Model	T1	T2	H ⁽¹⁾	L1	L2		L3	D1	D2	A ⁽²⁾	
Model					Мах.	Min.	LJ	D1	DZ	Max.	Min.
AS1200-M3	M3 x 0.5	M3 x 0.5	4.5	6.6	23.5	21.5	8	5	5	20.5	18.5
AS1200-M5	M5 x 0.8	M5 x 0.8	8	10	28.3	25.5	10.3	9	9	25	22.2
AS1200-U10/32	10-32 UNF	10-32 UNF								25	22.2
AS22□0-01	1/8	1/8	12 (12.7)	18	36.4	31.4	14.1	14.3	14.6	32.4	27.4
AS22□0-02	1/4	1/4	17 (17.5)	27.2	40.8	35.8	18	18	19.5	34.8	29.8
AS32□0-03	3/8	3/8	19	30	46.9	41.9	20.8	22.5	24.3	40.6	35.6
AS42□0-04	1/2	1/2	24 (23.8)	38.5	55.6	50.6	26.7	27.5	28.5	47.4	42.4

Note 1) () are the dimensions of "NPT" thread. Note 2) Reference thread dimensions after installation. **ASF**