

Series 10-AS

Speed controller
Cylinder direct mount type / Metal elbow type
10-AS1200, 2200, 3200, 4200

How to Order



Clean series

Body size
1 — M3, M5 standard
2 — 1/8, 1/4 standard
3 — 3/8 standard
4 — 1/2 standard

Elbow

Control method
0 — Meter-out
1 — Meter-in

Port size
M3 — M3 x 0.5
M5 — M5 x 0.8
01 — R1/8
02 — R1/4
03 — R3/8
04 — R1/2

Option
S — With sealant

Lock nut option
Nil — Hexagon lock nut
J — With sealant

Nickel plated specification
Add "N" only for piping port sizes of R 3/8 and R 1/2.
"N" is not necessary for M3, M5, R1/8, and R1/4.

Ordering Example: 10 - AS 2 2 0 0 - 02 - S (N) -

Specifications

Model	10-AS1200-M3	10-AS12□0-M5	10-AS22□0-01	10-AS22□0-02	10-AS32□0-03	10-AS42□0-04
Port size	M3 x 0.5	M5 x 0.8	R1/8, Rc1/8	R1/4, Rc1/4	R3/8, Rc3/8	R1/2, Rc1/2
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	1.05MPa	1.5MPa				
Max. operating pressure	0.7MPa	1MPa				
Min. operating pressure	0.1MPa	0.1MPa				
Ambient and fluid temperature	-5 to 60°C (No freezing)					
Option	Round lock nut		With sealant, round lock nut, nickel plated type			
Weight (g)	3	10	29	64	106	181
Grease	Fluorine grease					
Particle generation grade (Refer to front matter pages 13 to 22 for details.)	Grade 1					
Controlled flow	Flow rate L/min (ANR)	20	105	230	460	920
(Free flow)	Effective area (mm²)	0.3	1.6	3.5	7	14
						26

Note 1) Supply pressure: 0.5 MPa, Temperature: 20°C.

Note 2) A meter-in type is not available with AS1200-M3.

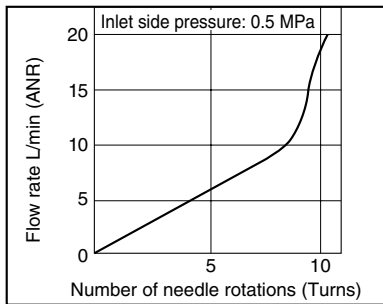
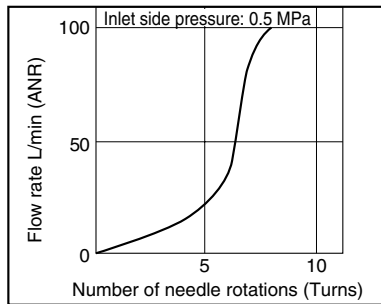
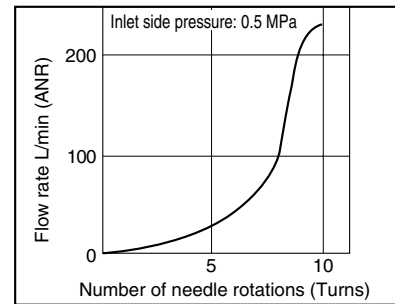
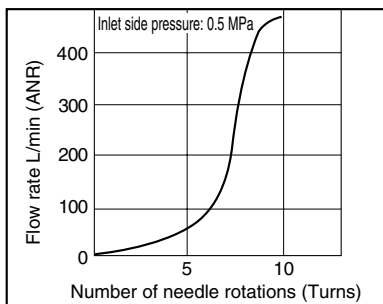
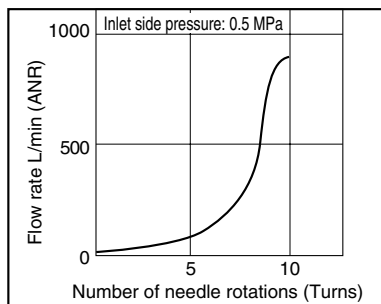
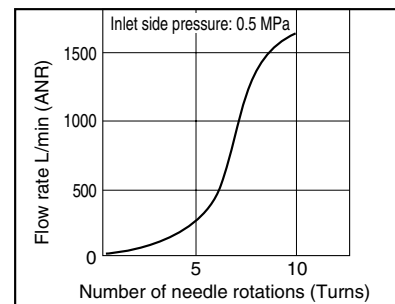
Note 3) Visual distinction between meter-out and meter-in types

The meter-out and meter-in types can be visually determined by the lock nut.

The hexagon lock nut on the meter-out type is zinc chromated, while the meter-in type is black zinc chromated.

The round lock nut on the meter-out type is electroless nickel plated, while the meter-in type is black zinc chromated.

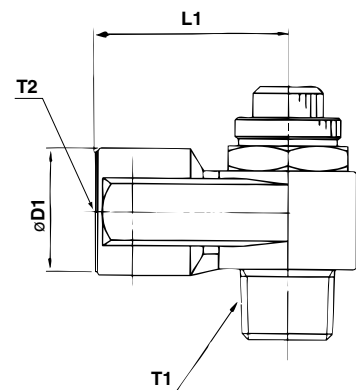
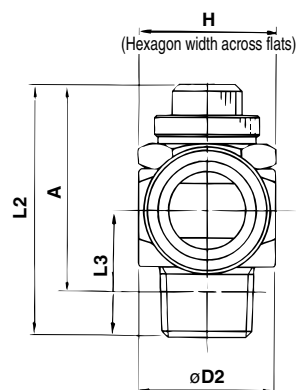
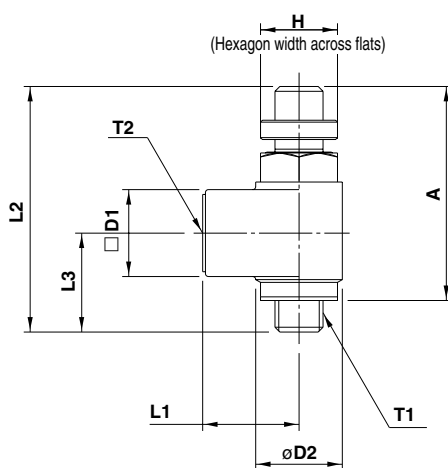
Needle valve / Flow characteristics

10-AS1200-M3

10-AS12□0-M5

10-AS22□0-01

10-AS22□0-02

10-AS32□0

10-AS42□0


Dimensions

10-AS1200-M3
10-AS12□0-M5

10-AS22□0/32□0/42□0



Dimensions

Model	T1	T2	H	L1	L2		L3	D1	D2	A	
					MAX.	MIN.				MAX.	MIN.
10-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
10-AS12□0-M5	M5 x 0.8	M5 x 0.8	8	10	28.3	25.5	10.3	9	9	25	22.2
10-AS22□0-01	R1/8	Rc1/8	12	18	36.4	31.4	14.1	14.3	14.6	32.4	27.4
10-AS22□0-02	R1/4	Rc1/4	17	27.2	40.8	35.8	18	18	19.5	34.8	29.8
10-AS32□0-03	R3/8	Rc3/8	19	30	46.9	41.9	20.8	22.5	24.3	40.6	35.6
10-AS42□0-04	R1/2	Rc1/2	24	38.5	55.6	50.6	26.7	27.5	28.5	47.4	42.4