

Series 10-ASD-FM

Dual speed controller for low-speed operation

How to Order

10 — ASD 3 3 0 F M — 01 — 06 S —

Clean series

Body size

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

Type

3	Universal
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With One-touch fittings

For low speed control

Lock nut option

Nil	Hexagon lock nut
J	Round lock nut

With sealant
* S is not necessary in case of M5 types, which are not provided with sealant.

Applicable tubing O.D. (Note)

Metric size

04	ø4
06	ø6
08	ø8
10	ø10

(Note) Refer to the following Model list for selection of applicable tubing O.D.

Port size

M5	M5 x 0.8
01	R1/8
02	R1/4



Model

Model	Applicable tubing			
	Metric size			
	4	6	8	10
10-ASD230FM-M5	●	●		
10-ASD330FM-01		●	●	
10-ASD430FM-02		●	●	●

Specifications

Proof pressure	1.5MPa
Max. operating pressure	1MPa
Min. operating pressure	0.1MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Applicable tubing material	Polyurethane ^{Note 1)}
Grease	Fluorine grease
Particle generation grade (Refer to front matter pages 13 to 22 for details.)	Grade 3

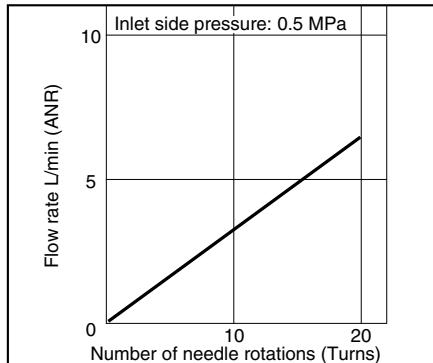
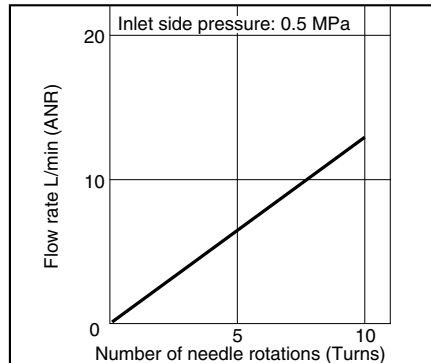
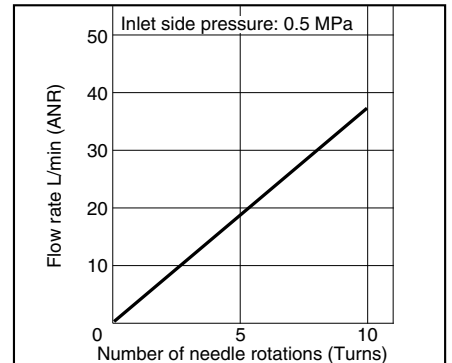
Note 1) The maximum operating pressure for polyurethane (at 20 °C) is 0.8 MPa.
(Refer to page 372 in Best Pneumatics No. 6 for details.)

* The knob of the M5 type and the lock nut of the meter-in type are black zinc chromated.

Air flow / Effective area

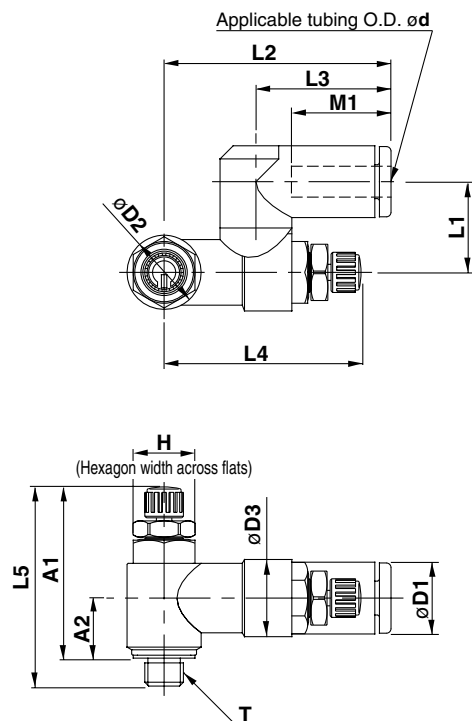
Model		10-ASD230FM	10-ASD330FM	10-ASD430FM	
Tubing O.D.	Metric size	ø4, ø6	ø6, ø8	ø6	ø8, ø10
Controlled flow	Flow rate L/min (ANR)	7	12	38	
	Effective area (mm ²)	0.1	0.2	0.6	
Free flow	Flow rate L/min (ANR)	75	175	295	350
	Effective area (mm ²)	1.1	2.7	4.5	5.3

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

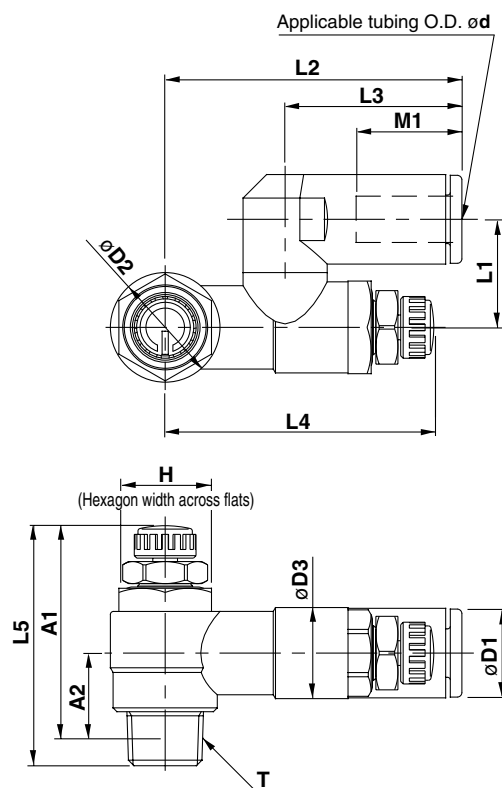
Needle valve / Flow characteristics**10-ASD230FM****10-ASD330FM****10-ASD430FM**

Dimensions

10-ASD230FM



10-ASD330FM/430FM



Model	d	T	H	D1	D2	D3	L1	L2	L3	L4		L5		A1 *		A2 *	M1	Weight (g)
										MAX.	MIN.	MAX.	MIN.	MAX.	MIN.			
10-ASD230FM-M5-04	4	M5 x 0.8	8	9.3	9.6	10	11.7	29.4	17.5	34.6	29.6	33.8	28.8	30.1	25.1	7.8	12.7	12
10-ASD230FM-M5-06	6			11.6				32.5	20.6								13.5	13
10-ASD330FM-01-06S	6	R1/8	12	11.6	14.2	11.8	14	38.5	22.9	39.6	34.6	36.1	31.1	32.1	27.1	10.6	13.5	29
10-ASD330FM-01-08S	8			15.2			15.8	44.8	28.2	38.9	33.9						18.5	31
10-ASD430FM-02-06S	6	R1/4	17	12.8	18.5	15	18	43.5	25.2	41.8	36.8	40.4	35.4	34.4	29.4	11	17	53
10-ASD430FM-02-08S	8			15.2				46.5	28.2								18.5	55
10-ASD430FM-02-10S	10			18.5			19.7	49.3	31								21	58

* Reference threaded dimensions after being screwed in.