

Series 10-ASD-FG

Stainless steel dual speed controller with One-touch fittings

How to Order

10 – ASD 3 3 0 F G – 01 – 06 S –

Clean series •

Body size •

2	M5 standard
3	1/8 standard
4	1/4 standard
5	3/8 standard
6	1/2 standard

Type •

3	Universal
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With One-touch fitting •

Stainless Steel Specifications (SUS303) •

Lock nut option

Nil	Hexagon lock nut
J	Round lock nut

With sealant
* Sealant is not available with the M5 type.

Applicable tubing O.D. (Note)
Metric size

04	ø4
06	ø6
08	ø8
10	ø10
12	ø12

Note) Refer to the following Model list for selection of applicable tubing O.D.
* ø1/8" tubing should be used.

Port size

M5	M5 x 0.8
01	1/8
02	1/4
03	3/8
04	1/2



Model

Model	Port size	Applicable tubing O.D.				
		Metric size				
		4	6	8	10	12
10-ASD230FG-M5	M5 x 0.8	●	●			
10-ASD330FG-01	R1/8		●	●		
10-ASD430FG-02	R1/4		●	●	●	
10-ASD530FG-02	R1/4		●	●	●	●
10-ASD530FG-03	R3/8		●	●	●	●
10-ASD630FG-04	R1/2				●	●

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.)

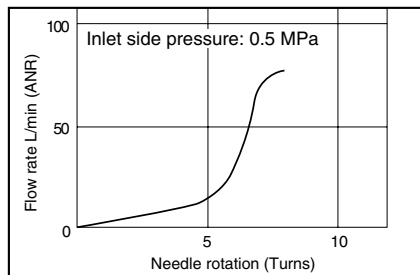
Air flow / Effective area

Model		10-ASD230FG	10-ASD330FG	10-ASD430FG		10-ASD530FG			10-ASD630FG	
Tubing O.D.	Metric size	ø4, ø6	ø6, ø8	ø6	ø8, ø10	ø6	ø8	ø10, ø12	ø10	ø12
Controlled (free) flow	Flow rate L/min (ANR)	75	175	295	350	500	600	700	1200	1300
	Effective area (mm ²)	1.1	2.7	4.5	5.3	7.6	9.1	10.7	18.3	19.8

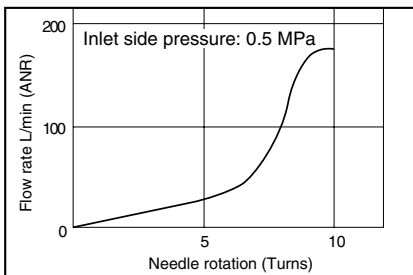
Note 1) Supply pressure: 0.5MPa, Temperature: 20°C.

Needle valve / Flow characteristics

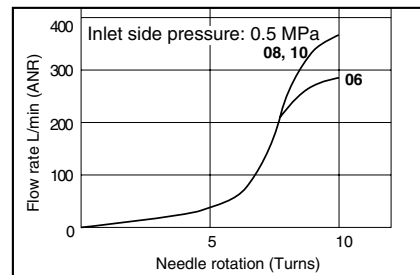
10-ASD230FG



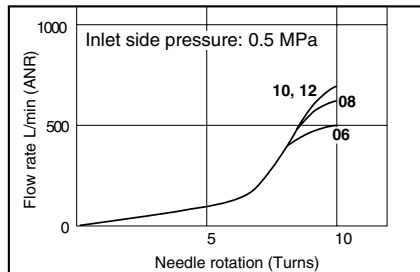
10-ASD330FG



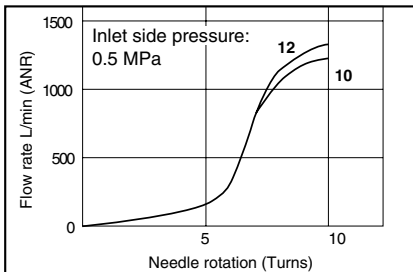
10-ASD430FG



10-ASD530FG

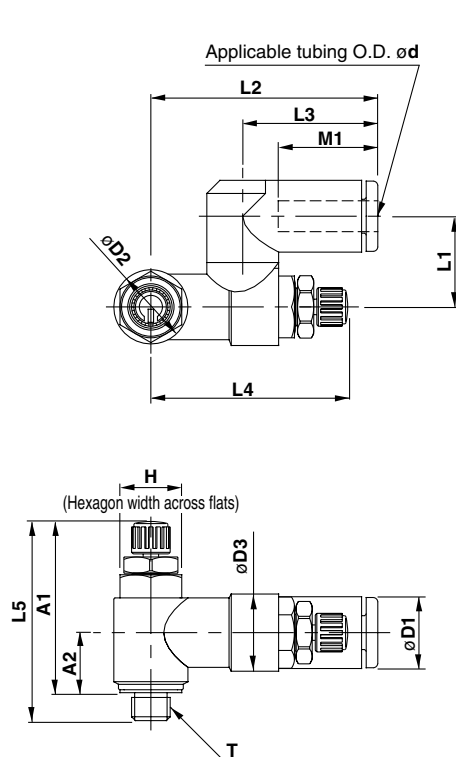


10-ASD630FG

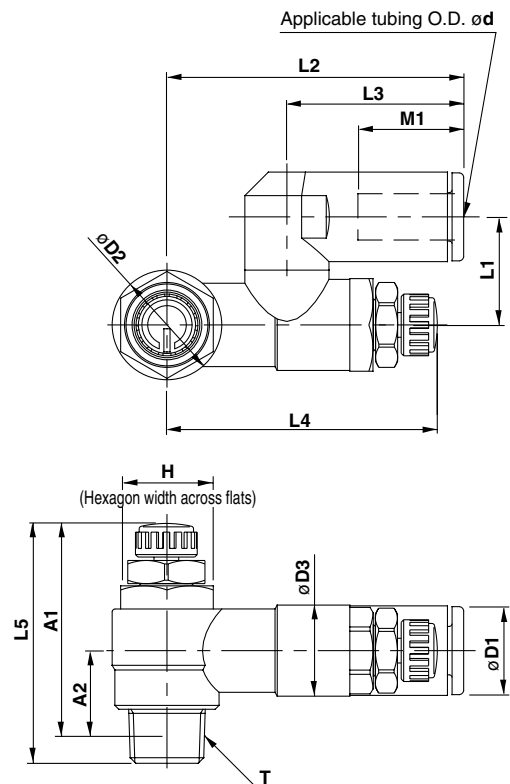


Dimensions

10-ASD230FG



10-ASD330FG/430FG 10-ASD530FG/630FG



Model	d	T	H	D1	D2	D3	L1	L2	L3	L4		L5		A1 *		A2 *	M1
										MAX.	MIN.	MAX.	MIN.	MAX.	MIN.		
10-ASD230FG-M5-04	4	M5 x 0.8	8	9.3	9.6	10	11.7	29.4	17.5	28.3	25.5	28.6	25.8	25	22.2	7.8	12.7
10-ASD230FG-M5-06	6			11.6				32.5	20.6								13.5
10-ASD330FG-01-06S	6			15.2				44.8	28.2								18.5
10-ASD330FG-01-08S	8	R1/8	12	12.8	14.2	11.8	14	43.5	25.2	39.6	34.6	36.1	31.1	32.1	27.1	10.6	17
10-ASD430FG-02-06S	6			15.2				46.5	28.2								18.5
10-ASD430FG-02-08S	8			18.5				49.3	31								21
10-ASD430FG-02-10S	10	R1/4	17	12.8	18.5	15	18	48.3	25.2	41.7	36.7	40.4	35.4	34.4	29.4	11	17
10-ASD530FG-02-06S	6			15.2				51.3	28.2								18.5
10-ASD530FG-02-08S	8			18.5				54.1	32.6								21
10-ASD530FG-02-10S	10	R3/8	19	20.9	23	19.8	20.3	55.9	34.4	46.9	41.9	48.8	43.8	42.8	37.8	15.4	22
10-ASD530FG-02-12S	12			12.8				48.3	25.2								17
10-ASD530FG-03-06S	6			15.2				51.3	28.2								18.5
10-ASD530FG-03-08S	8	R1/2	24	18.5	28.6	26.5	25.9	54.1	32.6	64.8	57.3	57.6	50.1	49.6	42.1	18.6	21
10-ASD530FG-03-10S	10			20.9				55.9	34.4								22
10-ASD530FG-03-12S	12			18.5				64.3	32.6								21
10-ASD630FG-04-10S	10	R1/2	24	20.9				66.1	34.4								22
10-ASD630FG-04-12S	12			20.9				66.1	34.4								22

* Reference thread dimensions after R thread being screwed in.