

Speed Controller with One-Touch Fitting

Elbow Type/Universal Type

Series AS

Features

- Minimises installation time and cost
- Accepts nylon and polyurethane tubing
- Wide variety of sizes
- Body swivels 360°
- Accurate speed control even at low velocity

Specifications

Proof pressure	1.5MPa
Max. operating pressure	1MPa (tube ø2: 0.7MPa)
Min. operating pressure	0.1MPa
Ambient and fluid temperature	-5 to 60°C (With no condensation)
Number of needle rotations	10 rotations (8 rotations Note 1))
Applicable tubing material Note 2)	Nylon, Soft Nylon, Polyurethane
Option	With seal $^{\rm Note\ 3J}$, Hexagon lock nut, Electroless nickel plated specifications $^{\rm Note\ 4J}$

Note 1) In case of types AS1201F-M5 and AS1211F-M5.
In case of types AS1301F-M5 and AS1311F-M5.
Note 2) Pay attention to the maximum operating pressure when soft nylon or polyurethane is used.
Note 3) Types with M3 and M5 port sizes are not available with sealant.
Note 4) Brass parts are all electroless nickel plated.

How to Order

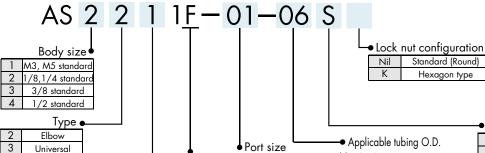




■ Applicable tubing O.D.: Metric Size

Symbol





With

fitting

Applicable tubing ø2 only available for elbow type. Control method

connormentoa							
0	Meter-out						
1	Meter-in						

Port size M3 M5 M5 one-touch 01 1/8 02 1/4 03 3/8 1/2 04

Metric size 23 ø3.2* 04 ø4 06 ø6

Elbow type

80 ø8 10 ø10 12 ø12

Nil	_
S	With sealant

Sealant

*S is not necessary with M3 and M5, which are not available with sealant. Gaskets are standardized instead.

Model

indicates that electroless nickel plated model (N specification) is the standardized.

	Applicable tubing O.D.).	Applicable cylinder tubing	Elbov	v type	Universal type					
Port size				ric s				O.D.	Meter-out	Meter-in	Meter-out	meter-in	
	2	3.2	4	6	8	10	12	mm	Meier-oui	Meier-in	Melel-out		
M3	• *	•	•					2.5, 4, 6	AS1201F-M3	AS1211F-M3	AS1301F-M3	AS1311F-M3	
M5	® *	•	•	•				6, 10, 16, 20	AS1201F-M5	AS1211F-M5	AS1301F-M5	AS1311F-M5	
R1/8		•	•	•	•	$ledow^*$		20, 25, 32	AS2201F-01	AS2211F-01	AS2301F-01	AS2311F-01	
R1/4			•	•	•	•		20, 25, 32, 40	AS2201F-02	AS2211F-02	AS2301F-02	AS2311F-02	
R1/4				•	•	•	\odot	40, 50, 63	AS3201F-02	AS3211F-02	AS3301F-02	AS3311F-02	
R3/8	_			•	•	•	•	40, 50, 63	AS3201F-03	AS3211F-03	AS3301F-03	AS3311F-03	
R1/2						•	•	63, 80, 100	AS4201F-04	AS4211F-04	AS4301F-04	AS4311F-04	

Note 1) *Elbow type only

Note 2) The meter-out and meter-in types are visually distinguished by the lock nut.

The lock nut of the meter-out type is electroless nickel plated while that of the meter-in type is black zinc chromate plated.

^{*} Use a ø1/8 tubing



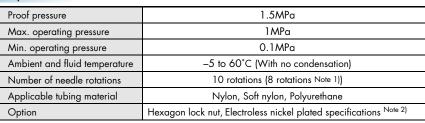
Metal Elbow Speed Controller with Built-in One-Touch Fitting Elbow Type Spatter Proof

Series AS

Features

- Metal body and flame resistant resin one-touch fitting cassette (to UL94 standard V-0).
- Ideal for heavy duty applications.
- Body swivels 360°.
- Meter-in and meter-out options.

Specifications



The meter-in and meter-out types are visually distinguished by the lock nut.

The lock nut of the meter-out type is electroless nickel plated while that of the meter-in type is black zinc chromate plated.

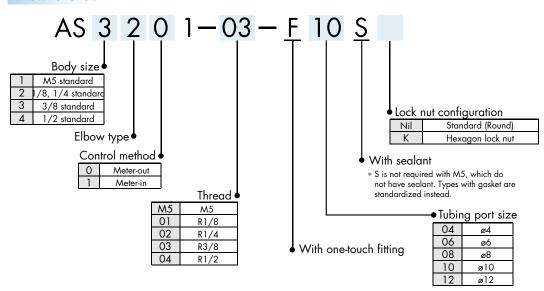
Note 1) In case of size M5.
Note 2) Brass parts are all electroless nickel plated

Model

ndicates that electroless nickel plated model (N specification) is the standardized

	Арр	licab	le tub	ing (D.D.	Applicable	Elbow type			
Port size	Metric size				cylinder tubing I.D.	,,				
	4	6	8	10	12	mm	Meter-out	Meter-in		
M5	•	•				6, 10, 16, 20	AS1201-M5	AS1211-M5		
R1/8		•	•			20, 25, 32	AS2201-01	AS2211-01		
R1/4		•	•			20, 25, 32, 40	AS2201-02	AS2211-02		
R3/8			•	•		40, 50, 63	AS3201-03	AS3211-03		
R1/2				•	•	63, 80, 100	AS4201-04	AS4211-04		

How to Order





■ Applicable tubing O.D.: Metric Size





Use of flame resistant resin for one-touch fittings. (Equivalent to UL-94

Standards V-0





Speed Controller with One-Touch Fitting

In-Line Type

Series AS

Features

- Minimises installation time and cost
- Accepts nylon and polyurethane tubing
- Wide variety of sizes
- Speed may accurately be controlled even at low velocity
- Constant speed easily set
- Retainer prevents accidental loss of needle





In-line Type

■ Applicable tubing O.D.: Metric Size

Specifications

Proof pressure	1.5MPa
Max. operating pressure	1MPa (tube ø2: 0.7MPa)
Min. operating pressure	0.1MPa
Ambient and fluid temperature	-5 to 60°C (With no condensation)
Number of needle rotations	10 rotations (8 rotations Note 1))
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane
Option	Hexagon lock nut

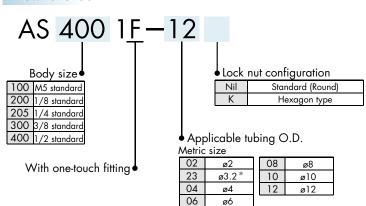
Note 1) In case of AS1001F.

Note 2) Pay attention to the maximum operating pressure when soft nylon or polyurethane is used.

indicates that electroless nickel plated model is standardized. Model

		Α	pplic	able	tubing	g O.[).	Applicable cylinder
Model					tubing inside dia.			
	2	3.2	4	6	8	10	12	mm
AS1001F	•							2.5, 4, 6, 10
AS1001F		•	•	•				6, 10, 16, 20
AS2001F			\odot	\odot				20, 25, 32
AS2051F				•	•			20, 25, 32, 40
AS3001F				\odot	\odot	•	\odot	40, 50, 63
AS4001F						•	•	63, 80, 100





AS In-Line Type

Applicable	Model
tubing O.D. mm	Inline Type
2	AS1001F-02
3.2	AS1001F-23
4	AS1001F-04
4	AS2001F-04
	AS1001F-06
,	AS2001F-06
6	AS2051F-06
	AS3001F-06

Applicable	Model
tubing O.D. mm	Inline Type
0	AS2051F-08
8	AS3001F-08
10	AS3001F-10
10	AS4001F-10
12	AS3001F-12
12	AS4001F-12

Symbol





Dual Speed Controller with One-Touch Fitting Universal Type

Series ASD

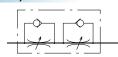
Features

- Meter-in and meter-out are combined in a single body.
- Ideal for high precision speed control of miniature cylinder.
- Prevents cylinders "shooting out".
- Ideal for speed control in applications where load ratio changes during cylinder operation.
- Ideal for single acting cylinders with low speed in both directions.
- All external brass parts are electroless nickel plated.



■ Applicable tubing O.D.: Metric Size

Symbol



Specifications

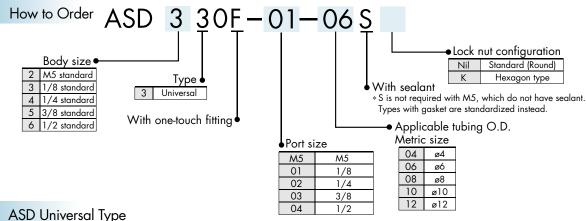
Proof pressure	1.5MPa
Max. operating pressure	1 MPa
Min. operating pressure	0.1MPa
Ambient and fluid temperature	-5 to 60°C (With no condensation)
Number of needle rotations	10 rotations (8 rotations Note 1))
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane
Option	Hexagon lock nut

Note 1) In case of ASD230F.

Note 2) Pay attention to the maximum operating pressure when soft nylon, polyurethane is used.

Model

		Applicable tubing O.D.						
Model	Port size	Metric size						
		4	6	8	10	12		
ASD230F-M5	M5	•	•					
ASD330F-01	R1/8		•	•				
ASD430F-02	R1/4		•	•	•			
ASD530F-02	R1/4		•	•	•	•		
ASD530F-03	R3/8		•	•	•	•		
ASD630F-04	R1/2				•	•		



Meter-in and meter-out control. Lurch prevention. Speed control of single acting cylinder.

Connection	Model
thread	Universal type
M5	ASD230F-M5-04
M5	ASD230F-M5-06
R1/8	ASD330F-01-06S
D1 /4	ASD430F-02-06S
K1/4	ASD530F-02-06S
R3/8	-03-06\$
R1/8	ASD330F-01-08S
D1 /4	ASD430F-02-08S
K1/4	ASD530F-02-08S
R3/8	-03-08\$
	M5 M5 R1/8 R1/4 R3/8 R1/8 R1/4

Applicable tubing O.D.	Connection	Model		
mm	thread	Universal type		
	R1/4	ASD430F-02-10S		
10	K1/4	ASD530F-02-10S		
10	R3/8	-03-10S		
	R1/2	ASD630F-04-10S		
	R1/4	ASD530F-02-12S		
12	R3/8	-03-128		
	R1/2	ASD630F-04-12S		



Speed Controller with Residual Pressure Exhaust Valve

Elbow/Universal Type

Residual Pressure Exhaust



Features

- Residual pressure easily released with one push of button.
- Red colour release button.
- One-touch fitting as standard.
- Meter-in and meter-out flow styles.



■ Applicable tubing O.D.: Metric Size

Specifications

Proof pressure	1.5MPa
Max. operating pressure	1 MPa
Min. operating pressure	0.1 <i>M</i> Pa
Ambient and fluid temperature	-5 to 60°C (With no condensation)
Number of needle rotations	10 rotations
Effective sectional area of residual pressure exhaust valve	0.8mm ²
Applicable tubing material	Nylon, Soft nylon, Polyurethane

Model

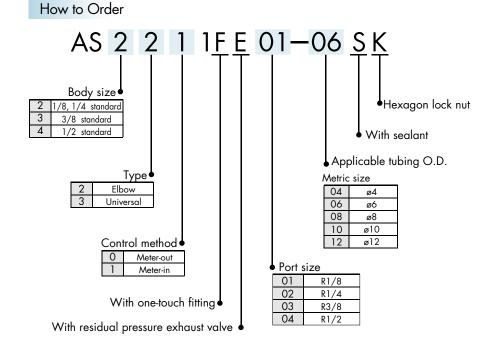
Applicable tubing O.D. Applicable Port size Metric size cylinder tubing		Elbow	/ type	Universal type							
P	ort size	4	6	rric :		12	I.D. mm	Meter-out	Meter-in	Meter-out	Meter-in
	R1/8	•	•	•	•*		20, 25, 32	AS2201FE-01	AS2211FE-01	AS2301FE-01	AS2311FE-01
	R1/4	•	•	•	•		20, 25, 32, 40	AS2201FE-02	AS2211FE-02	AS2301FE-02	AS2311FE-02
	R3/8		•	•	•	•	40, 50, 63	AS3201FE-03	AS3211FE-03	AS3301FE-03	AS3311FE-03
	R1/2				•	•	63, 80, 100	AS4201FE-04	AS4211FE-04	AS4301FE-04	AS4311FE-04

Note 1) *Elbow type only.

Note 2) Visual distinction between meter-out and meter-in types.

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

The lock nut of the meter-out type is electroless nickel plated while that of the meter-in type is black zinc chromate plated.



Symbol



Residual pressure exhaust from cylinder. Residual pressure easily

exhausted with one push.



Stainless Steel Speed Controller with One-Touch Fitting Elbow Type/Universal Type Corrosion Resistance

Series AS-FG

Features

- Stainless specifications for use in corrosive environments. Stainless steel 303 used for metal parts.
- Light colours to match equipment.
- Threads with and without seal are available as standard.



Specifications

Proof pressure	1.5MPa		
Max. operating pressure	1MPa		
Min. operating pressure	0.1 <i>M</i> Pa		
Ambient and fluid temperature	–5 to 60°C (With no condensation)		
Number of needle rotations	10 rotations (8 rotations Note 1))		
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane, Soft polyurethane		

Note 1) In case of AS1201FG, AS1211FG, AS1301FG, AS1311FG.

Note 2) Pay attention to the maximum operating pressure when soft nylon, polyurethane or soft polyurethane is used.

■ Applicable tubing O.D.: Metric Size

Symbol



Use of SUS303 for metal parts.

Model

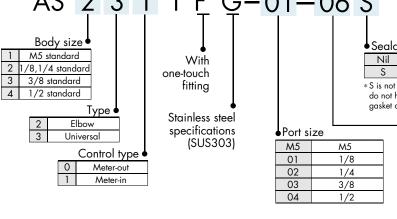
	App	lica	ble	tubir	ng C		Applicable Elbow type		/ type	Universal type			
Port size	Metric size				cylinder tubing I.D.	//		//					
	3.2	4	6	8	10	12		Meter-out	Meter-in	Meter-out	Meter-in		
M5	•	•	•				6,10,16,20	AS1201FG-M5	AS1211FG-M5	AS1301FG-M5	AS1311FG-M5		
R1/8	•	•	•	•	*		20,25,32	AS2201FG-01	AS2211FG-01	AS2301FG-01	AS2311FG-01		
R1/4		•	lacksquare	lacksquare	lacksquare	•	20,25,32,40	AS2201FG-02	AS2211FG-02	AS2301FG-02	AS2311FG-02		
R1/4			•	•	•	•	40,50,63	AS3201FG-02	AS3211FG-02	AS3301FG-02	AS3311FG-02		
R3/8			•	•	•	•	40,50,63	AS3201FG-03	AS3211FG-03	AS3301FG-03	AS3311FG-03		
R1/2					•	•	63,80,100	AS4201FG-04	AS4211FG-04	AS4301FG-04	AS4311FG-04		

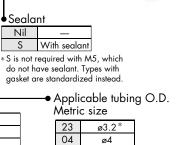
Note 1) The meter-in and meter-out types are visually distinguished by the flow direction symbol on the resin body. Note 2) *Elbow type only.



Universal type

How to Order -01 - 06 S





* Use a ø1/8 tubing.

ø6

ø8

ø10

ø12

06

08

12





Stainless Steel Speed Controller with One-Touch Fitting In-Line Type Corrosion Resistance

Series AS-FG

Features

- Stainless specifications for use in corrosive environments. Stainless steel 303 used for metal parts.
- Light colours to match equipment.
- Threads with and without seal are available as standard.



■ Applicable tubing O.D.: Metric Size

Specifications

Proof pressure	1.5MPa			
Max. operating pressure	1 MPa			
Min. operating pressure	0.1 MPa			
Ambient and fluid temperature	–5 to 60°C (With no condensation)			
Number of needle rotations	10 rotations (8 rotations Note 1)			
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane, Soft polyurethane			

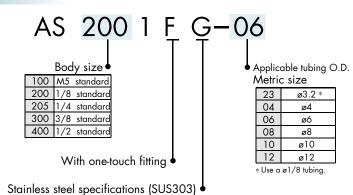
Note 1)In case of AS1001FG.

Note 2) Pay attention to the maximum operating pressure when soft nylon, polyurethane or soft polyurethane is used.

Model

	Applicable tubing O.D.						Applicable	
Model			Metri	cylinder tubing I.D.				
	3.2	4	6	8	10	12	mm	
AS1001FG	•	•	•				6, 10, 16, 20	
AS2001FG		•	•				20, 25, 32	
AS2051FG			•	•			20, 25, 32, 40	
AS3001FG			•	•	•	•	40, 50, 63	
AS4001FG					•	•	63, 80, 100	

How to Order



Symbol



AS-FG In-Line Type

Use of Stainless steel SUS303 for metal parts.



Applicable tubing O.D.	Model
mm	Inline type
3.2	AS1001FG-23
4	AS1001FG-04
4	AS2001FG-04
	AS1001FG-06
,	AS2001FG-06
6	AS2051FG-06
	AS3001FG-06

Applicable tubing O.D.	Model
mm	Inline type
8	AS2051FG-08
8	AS3001FG-08
10	AS3001FG-10
10	AS4001FG-10
12	AS3001FG-12
12	AS4001FG-12



Stainless Steel Dual Speed Controller with One-Touch Fitting

Universal Type Series ASD-FG

Corrosion Resistance Lurch Prevention

Features

- Two flow control valves and check valves have been integrated.
- Prevention of stick-slip phenomenon, and speed control of a single acting cylinder.
- Stable speed control is achievable even with load fluctuations.



■ Applicable tubing O.D.: Metric Size

Specifications

Proof pressure	1.5MPa			
Max. operating pressure	1 MPa			
Min. operating pressure	0.1MPa			
Ambient and fluid temperature	–5 to 60°C (With no condensation)			
Number of needle rotations	10 rotations (8 rotations Note 1))			
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane, Soft polyurethane			

Note 1) In case of ASD230FG.

Note 2) Pay attention to the maximum operating pressure when soft nylon, polyurethane or soft polyurethane is used.

Model

80

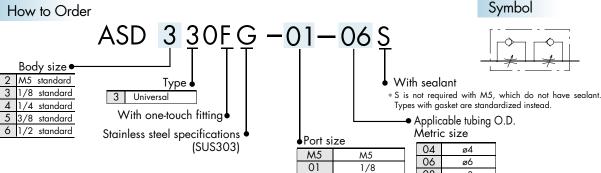
10

ø8

ø10

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





02

03

1/4

3/8

ASD-FG Universal Type

Use of Stainless steel 303 for metal parts. Lurch prevention.

Speed control of single acting cylinder.



	Applicable tubing O.D.	Connection	Model				
	mm	thread	Universal type				
	4	M5	ASD230FG-M5-04				
	6	M5	ASD230FG-M5-06				
		R1/8	ASD330FG-01-06S				
		D1 /4	ASD430FG-02-06S				
		R1/4	ASD530FG-02-06S				
		R3/8	-03-06\$				
		R1/8	ASD330FG-01-08S				
		D1 /4	ASD430FG-02-08S				
	8	R1/4	ASD530FG-02-08S				
		R3/8	-03-08S				

	Applicable tubing O.D.	Connection	Model
	mm	thread	Universal type
		R1/4	ASD430FG-02-10S
	10	K1/4	ASD530FG-02-10S
		R3/8	-03-108
		R1/2	ASD630FG-04-10S
	12	R1/4	ASD530FG-02-12S
		R3/8	-03-128
		R1/2	ASD630FG-04-12S



Stainless Steal Speed Controller Elbow Type

Series ASG

Features

- SUS316 and special FKM construction to improve the resistance to corrosion.
- Elbow design to allow the rotation of the tubing connection ports and suit installation to air cylinders.
- Meter-in and meter-out type control.
- One-touch fittings and 5 body sizes.
- Aplicable tubing: FEP, PFA, Nylon, Soft nylon, Polyurethane and Polyolefin.
- Conforms to food sanitation laws.



Symbol

Meter-out type	Meter-in type

Conforms to Food Sanitation Laws (Material of the component parts meets the apparatus and container packaging standards.)



Flow Rate and Effective Area

Model		ASG22lF-M5	ASG	32lF-01	ASG	42lF-02	ASC	952lF-03	ASG62lF-04
Tubing O.D. (mm)		ø4, ø6	ø4	ø6, ø8	ø6	ø8, ø10	ø8	ø10, ø12	ø12
Controlled	Flow rate (I/min (ANR))	100	180	230	390	460	790	920	1580
(free) flow	Effective area (mm²)	1.5	2.7	3.5	6	7	12	14	24

Note) Flow rate is measured at 0.5 MPa and 20C.

Model

Elbow type	Port size	Α	pplicable	Applicable cylinder			
Libow type	ron size	4	6	8	10	12	bore size (mm)
ASG22lF-M5	$M5 \times 0.8$	•	•				6, 10, 16, 20
ASG32lF-01	R1/8	•	•	•			20, 25, 32
ASG42lF-02	R1/4		•	•	•		20, 25, 32, 40
ASG52lF-03	R3/8			•	•	•	40, 50, 63
ASG62lF-04	R1/2					•	63, 80, 100

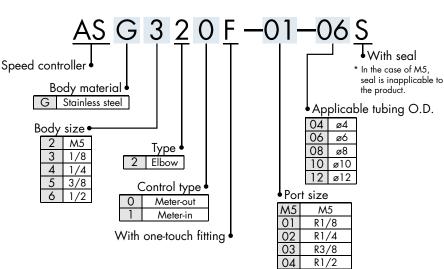
Specifications

Fluid	Air			
Proof pressure	1.5 MPa			
Max. operating pressure	1 MPa			
Min. operating pressure	0.1 MPa			
Ambient and fluid temperature	-5 to 60C (No freezing)			
Number of needle rotations	10 turns (8 turns Note 1))			
Applicable tubing material	FEP, PFA, Nylon, Soft nylon, Polyurethane ^{Note 3}), Polyolefin			

Note 1) In case of ASG22IF-M5

Note 2) Please be cautious of the max. operating pressure when soft nylon or polyurethane tubing is used.

Note 3) When polyurethane tubing is used, please use an inner sleeve





Speed Controller for Low Speed Operation with One-Touch Fitting Elbow Type/Universal Type Low Speed Operation

Series AS-FM

Features

- Suitable for low speed applications; 10-50mm/sec
- Accurate control of low speed cylinders with effective orifice for control flow at 1/10 of standard types
- Possible to operate cylinders at low speed for working strokes and high speed for return strokes
- Easy control with 10 turns (20 turns for M5 type) of needle rotation

Specifications

Proof pressure	1.5MPa	
Max. operating pressure	1MPa	
Min. operating pressure	0.1MPa	
Ambient and fluid temperature	–5 to 60°C (With no condensation)	
Number of needle rotations	10 rotations (20 rotations Note 1)	
Applicable tubing material	Nylon, Soft nylon, Polyurethane, Soft poly urethane	
Option	With sealant	

AS2201FM-02

Note 1)In case of AS1201FM, AS1211FM, AS1301FM, AS1311FM

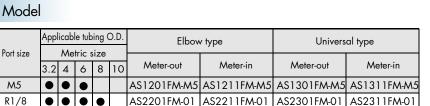
■ Applicable tubing O.D.: Metric Size



Universal type

Speed control in the range of 10 to 50 mm/s





AS2211FM-02

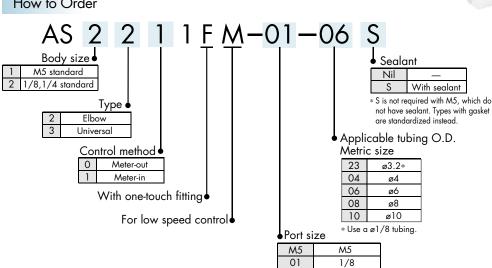
AS2301FM-02

1/4

AS2311FM-02

How to Order

R1/4





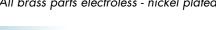
Speed Controller for Low Speed Operation

In-Line Type

Series AS-FM

Features

- Suitable for low speed applications; 10-50mm/sec.
- Accurate control of low speed cylinders with effective orifice for control flow at 1/10 of standard types.
- Possible to operate cylinders at low speed for working strokes and high speed for return strokes.
- Easy control with 10 turns (20 turns for M5 type) of needle rotation.
- All brass parts electroless nickel plated.



Proof pressure	1.5MPa		
Max. operating pressure	1MPa		
Min. operating pressure	0.1 <i>M</i> Pa		
Ambient and fluid temperature	−5 to 60°C (With no condensation)		
Number of needle rotations	10 rotations (20 rotations Note 1))		
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane, Soft polyurethane		

Specifications

Note 1] In case of AS1001FM.

Note 2] Pay attention to the maximum operating pressure when soft nylon, polyurethane or soft polyurethane is used.

Low Speed Operation



■ Applicable tubing O.D.: Metric Size

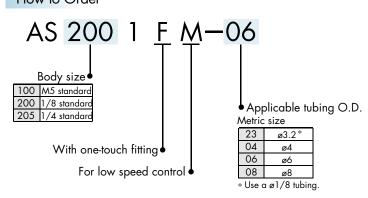
Symbol



Model

	Applicable tubing O.D.				Applicable cylinder		
Model	Metric Size				tubing I.D.		
	3.2	4	6	8	mm		
AS1001FM	•	•	•		6, 10, 16, 20		
AS2001FM		•	•		20, 25, 32		
AS2051FM			•	•	20, 25, 32, 40		

How to Order



Speed control in the range of 10 to 50 mm/s

Applicable tubing	Model
O.D. mm	Inline Type
3.2	AS1001FM-23
4	AS1001FM-04
4	AS2001FM-04
	AS1001FM-06
6	AS2001FM-06
	AS2051FM-06
8	AS2051FM-08



Dual Speed Controller for Low Speed Operation

Universal Type Series ASD-FM

Low Speed Operation Lurch Prevention

Features

- Two flow control valves and check valves integrated.
- Prevention of a stick-slip phenomenon, and speed control of a single acting cylinder.
- Stable speed control is achievable even with load fluctuations.
- Low speed control for small bore cylinders.



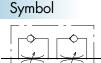
Specifications

Proof pressure	1.5MPa		
Max. operating pressure	1MPa		
Min. operating pressure	0.1MPa		
Ambient and fluid temperature	–5 to 60°C (With no condensation)		
Number of needle rotations	10 rotations (20 rotations Note 1))		
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane, Soft polyurethane		

Note 1) In case of ASD230FM.

Note 2) Pay attention to the maximum operating pressure when soft nylon, polyurethane or soft polyurethane is used.

■ Applicable tubing O.D.: Metric Size



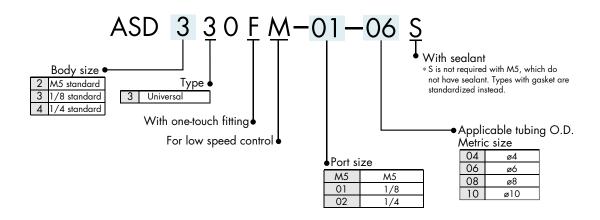
Speed control and lurch prevention in the range of 10 to 50 mm/s. Low speed control of single acting cylinder.

Speed control of small bore cylinder.

Model

		Applicable tubing O.D.				
Model	Port size	Metric size				
		4	6	8	10	
ASD230FM-M5	M5	•	•			
ASD330FM-01	R1/8		•	•		
ASD430FM-02	R1/4		•	•	•	

Applicable tubing	Connection	Model			
O.D. mm	thread	Universal type			
4	M5	ASD230FM-M5-04			
	M5	ASD230FM-M5-06			
6	R1/8	ASD330FM-01-06S			
	R1/4	ASD430FM-02-06S			
8	R1/8	ASD330FM-01-08S			
ð	R1/4	ASD430FM-02-08S			
10	R1/4	ASD430FM-02-10S			



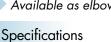


Tamper Proof Speed Controller Elbow/Universal Type

Series AS 1 F

Features

- Tamper resistant adjustment.
- Body swivels 360°.
- Accurate speed control at low velocity.
- Meter-in and meter-out option.
- Retainer prevents accidental loss of needle.
- Available as elbow or universal body type.



Proof pressure	1.5MPa		
Max. operating pressure	1MPa		
Min. operating pressure	0.1MPa		
Ambient and fluid temperature	-5 to 60°C (With no condensation)		
Number of needle rotations	10 rotations (8 rotations Note1))		
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane		

Note1) In case of AS1201F-M5 and AS1211F-M5 types. In case of AS1301F-M5 and AS1311F-M5 types.

Note2) Pay attention to the maximum operating pressure when soft nylon or polyurethane is used. Note3) Brass parts of standard products are all electroless nickel plated.



■ Applicable tubing O.D.: Metric Size

Symbol



Flow rate control with special tools for safety measures.



Model

Destrict	Арј				<u> </u>	D.D.	Applicable cylinder			Universal type		
Port size	3.2	_	etri 6		_	12	tubing I.D. mm	Meter-out	Meter-in	Meter-out	Meter-in	
M5	•	•	•				6,10,16,20	AS1201F-M5	AS1211F-M5	AS1301F-M5	AS1311F-M5	
R1/8	•	•	•	•	•*		20,25,32	AS2201F-01	AS2211F-01	AS2301F-01	AS2311F-01	
R1/4		•	•	•	•		20,25,32,40	AS2201F-02	AS2211F-02	AS2301F-02	AS2311F-02	
R1/4			•	•	•	•	40,50,63	AS3201F-02	AS3211F-02	AS3301F-02	AS3311F-02	
R3/8			•	•	•	•	40,50,63	AS3201F-03	AS3211F-03	AS3301F-03	AS3311F-03	
R1/2					•	•	63,80,100	AS4201F-04	AS4211F-04	AS4301F-04	AS4311F-04	

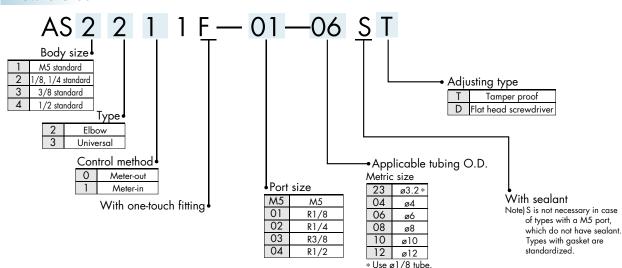
Note 1) *Elbow type only.

Note 2) The meter-in and meter-out types are visually distinguished by the flow direction symbol on the resin body.

Universal type

Special tool (AS-T-1)







Tamper Proof Speed Controller In-Line Type

Series AS 1 F

Features

- Tamper resistant adjustment.
- Constant speed easily set.
- Retainer prevents accidental loss of needle.
- Optional holder gives flexibility of mounting.
- Wide variety of sizes.
- All brass parts electroless nickel polated.

Specifications

Proof pressure	1.5MPa		
Max. operating pressure	1MPa		
Min. operating pressure	0.1 MPa		
Ambient and fluid temperature	-5 to 60°C (With no condensation)		
Number of needle rotations	10 rotations (8 rotations Note1))		
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane		

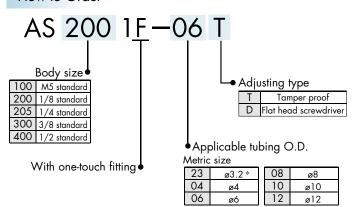
Note1) In case of AS1001F.

Note2) Pay attention to the maximum operating pressure when soft nylon or polyurethane is used

Model

	Applicable tubing O.D.				Applicable			
Model			Metri	c size)		cylinder tubing I.D.	
	3.2	4	6	8	10	12	mm	
AS1001F	•	•	•				6, 10, 16, 20	
AS2001F		•	•				20, 25, 32	
AS2051F			•	•			20, 25, 32, 40	
AS3001F			•	•	•	•	40, 50, 63	
AS4001F					•	•	63, 80, 100	

How to Order



*Use ø1/8 tube.



■ Applicable tubing O.D.: Metric Size

Symbol





Applicable tubing O.D.	Model
mm	In-line type
3.2	AS1001F-23T/D
4	AS1001F-04T/D
4	AS2001F-04T/D
	AS1001F-06T/D
,	AS2001F-06T/D
6	AS2051F-06T/D
	AS3001F-06T/D

Applicable tubing O.D.	Model
mm	In-line type
8	AS2051F-08T/D
0	AS3001F-08T/D
10	AS3001F-10T/D
10	AS4001F-10T/D
12	AS3001F-12T/D
12	AS4001F-12T/D



Tamper Proof Dual Speed Controller Universal Type

Series ASD

Features

- Tamper resistant adjustment.
- Meter-in and meter-out combined in same body.
- Prevents cylinders shooting out.
- Ideal for single acting cylinders with low speed in both directions.
- Universal body can rotate trough 360°

Specifications

Proof pressure	1.5MPa		
Max. operating pressure	1MPa		
Min. operating pressure	0.1MPa		
Ambient and fluid temperature	−5 to 60°C (With no condensation)		
Number of needle rotations	10 rotations (8 rotations Note 1))		
Applicable tubing material Note 2)	Nylon, Soft nylon, Polyurethane		

Note 1) In case of ASD230F.

Model

Note 2) Pay attention to the maximum operating pressure when soft nylon or polyurethane is used. [Refer to Best Pneumatics for more information.]
Note 3) Brass parts of standard products are all electroless nickel plated.

Applicable tubing O.D. Model Port size Metric size 4 8 10 ASD230F-M5 M5 ASD330F-01 R1/8 •

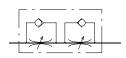
R1/4 ASD430F-02 R1/4 ASD530F-02 ASD530F-03 R3/8 R1/2 ASD630F-04

Lurch Prevention



■ Applicable tubing O.D.: Metric Size

Symbol



Lurch prevention.

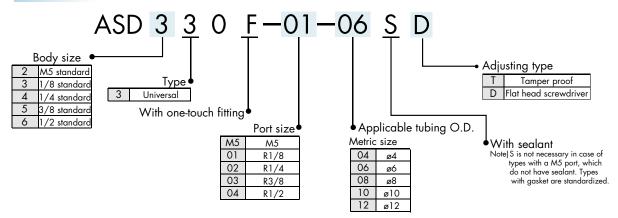
Speed control of single acting cylinder.

Flow rate control with special tools for safety measures.

	Applicable tubing O.D.	Connection	Model				
	mm	thread	Universal type				
	4	M5	ASD230F-M5-04T/D	Ī			
		M5	ASD230F-M5-06T/D				
	8	R1/8	ASD330F-01-06ST/D				
		R1/4	ASD430F-02-06ST/D				
			ASD530F-02-06ST/D				
		R3/8	-03-06ST/D				
		R1/8	ASD330F-01-08ST/D				
		R1/4	ASD430F-02-08ST/D				
		K1/4	ASD530F-02-08ST/D				
		R3/8	-03-08ST/D				

	/					
	Applicable tubing O.D. mm	Connection	Model			
		thread	Universal type			
)	10	R1/4	ASD430F-02-10ST/D			
)		K1/4	ASD530F-02-10ST/D			
)		R3/8	-03-10ST/D			
)		R1/2	ASD630F-04-10ST/D			
)	12	R1/4	ASD530F-02-12ST/D			
)		R3/8	-03-12ST/D			
)		R1/2	ASD630F-04-12ST/D			







Speed Controller with Pilot Check Valve Universal Type **Drop Prevention**

Series ASP

Features

- Two individual products combined into one unit
- Compact, space saving solution which can be directly mounted to the actuator
- One touch fitting makes piping easier and body swivels 360°
- Brass parts electroless nickel plated as standard
- The speed controller with pilot check valve is used to stop the cylinder in mid stroke for extended periods of time when air is cut-off





Specifications

Proof pressure	1.5MPa		
Max. operating pressure	1MPa		
Min. operating pressure	0.1MPa		
Pilot check valve operating pressure	50% or more the operating pressure		
Ambient and fluid temperature	-5 to 60C (With no condensation)		
Number of needle rotations	10 rotations		
Applicable tubing material	Nylon, Soft nylon, Polyurethane		

Note) Pay attention to the maximum operating pressure when soft nylon or polyurethane is used.

Symbol





Model

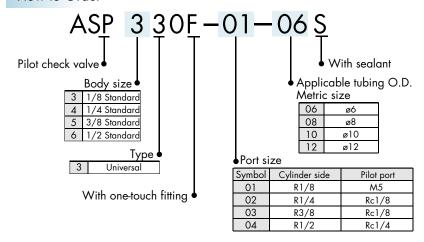
	Port size	Appli	cable	Pilot port		
Model			Metri			
		6	8	10	12	
ASP330F-01	R1/8	•	•			M5
ASP430F-02	R1/4	•	•			Rc1/8
ASP530F-03	R3/8		•	•		Rc1/8
ASP630F-04	R1/2			•	•	Rc1/4

Note) Brass parts are all electroless nickel plated.

Built-in pilot check valve to prevent drop down. Temporary intermediate stop.

Connection thread (a)

Applicable tubing O.D.	Connection	Connection	Model
mm	thread@	thread(b)	Universal type
,	R1/8	M5	ASP330F-01-06S
6	R1/4	Rc1/8	ASP430F-02-06S
8	R1/8	M5	ASP330F-01-08S
	R1/4	Rc1/8	ASP430F-02-08S
	R3/8	Rc1/8	ASP530F-03-08S
10	R3/8	Rc1/8	ASP530F-03-10S
	R1/2	Rc1/4	ASP630F-04-10S
12	R1/2	Rc1/4	ASP630F-04-12S





Speed Controller for Clean Room Elbow Type

Series AS-FPQ/FP0

Features

- Polypropylene one touch fitting
- Low particulate generating ideal for clean room
- Meter-out and meter-in flow styles

AS-FPQ/Brass (Electroless nickel plated)

Release button color: Light grey

Specifications

Particle generation grade	Grade 1 Note 1)
Proof pressure (20°C)	1.5MPa
Max. operating pressure (20°C)	1MPa Note 2)
Min. operating pressure	0.1MPa
Ambient and fluid temperature	-5 to 60°C (With no condensation)
Number of needle rotations	10 rotations (8 rotations Note 3))

Note 1) Refer to the particle generation grading chart. Note 2) The max. operating pressure is one at 20°C. Note 3) AS12 \$\square\$1 FP \square\$ only.

■ Applicable tubing O.D.: Metric Size

AS-FPG/Stainless steel (SUS304) Release button color: Light blue

Recommended Applicable Tubing

Tubing material	Clean series polyurethane tubing: Series 10–
Tubing O.D.	ø4, ø6, ø8, ø10, ø12

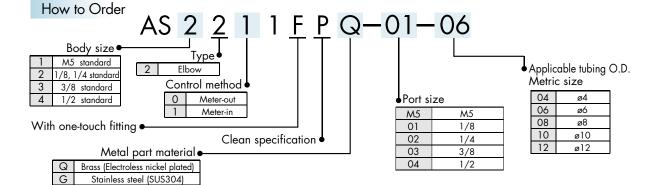
Polyurethane tubing: Series TU, Nylon tubing: Series T, Soft nylon tubing: Series TS can also be used though with lower degree of cleanliness.

Model

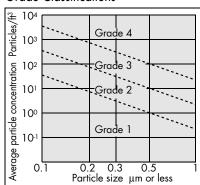
Applicable tubing O.D.		Applicable cylinder tubing	Elbow type					
Port size	Metric size		L.D.	,,				
	4	6	8	10	12	mm	Meter-out	Meter-in
M5	•	•				6, 10, 16, 20	AS1201FP□-M5	AS1211FP□-M5
R1/8	•	•	•			20, 25, 32	AS2201FP□-01	AS2211FP□-01
R1/4	•	•	•	•		20, 25, 32, 40	AS2201FP□-02	AS2211FP□-02
R3/8		•	•	•	•	40, 50, 63	AS3201FP□-03	AS3211FP□-03
R1/2				•	•	63, 80, 100	AS4201FP□-04	AS4211FP□-04

Symbol

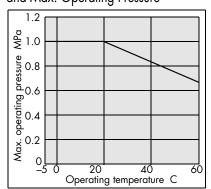




Particulate Generation Grade Classifications



Relation between Operating Temp. and Max. Operating Pressure





Residual Pressure Exhaust Valve with One-Touch Fitting

Series **KE**

Residual Pressure Exhaust

Residual pressure inside the cylinder is released to the atmosphere by pressing the button.

Without push button guard With one-touch fitting

With push button guard With one-touch fitting

With push button guard Rc screw







Sym	bol



Applicable tubing O.D.	Model
6	KEA06
8	KEA08
10	KEA10
12	KEA12

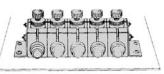
Applicable tubing O.D.	Model
6	KEB06
8	KEB08
10	KEB10
12	KEB12

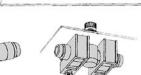
Speed Controller Holder

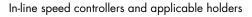
Series TMH

Holder to secure an in-line type speed controller with one-touch fitting.









Tubing	Applicable tubing					
Body size	23	04	06	08	10	12
size	ø3.2	ø4	ø6	ø8	ø10	ø12
AS1001F	TMH-23J	TA411041	TAALLOZI			
AS2001F		TMH-04J	MH-04J TMH-06J			
AS2051F			TMH-06	TMH-08		
AS3001F			174111-00	1/1/117-00	TMH-10	TMH-12
AS4001F					174111-110	1/4/11 1-1 Z

Multiple Fitting Holder

Series TMA

To secure series KE□ exhaust valves. To secure union tee KQT, union elbow KQL, straight union KQH.



Model

Model	Stations	Applicable	Applicable one-touch fittings			
Model	Sidilons	exhaust valve	Union tee	Union elbow	Straight union	
TMA-06	8	KEA06	KQ2T06-00	KQ2L06-00	KQ2H06-00	
17VIA-00	8	KEB06	KQT06-00	KQL06-00	KQH06-00	
		KEA08	KOOTOO OO	KQ2L08-00 KQL08-00	KQ2H08-00 KQH08-00	
TMA-08	8	KEB08	KQ2T08-00 KQT08-00			
		KEC-02				
TMA-10	6	KEA-10	KQ2T10-00	KQ2L10-00	KQ2H10-00	
1MA-10		KEB-10	KQT10-00	KQL10-00	KQH10-00	
		KEA-12	KO0T10.00	KQ2L12-00 KQL12-00	KQ2H12-00 KQH12-00	
TMA-12	6	KEB-12	KQ2T12-00 KQT12-00			
		KEC-03			Ramzoo	



Metering Valve with Silencer

Series ASN2

Features

Superior sound reducing performance.

Cylinder speed easily set.

Retainer prevents accidental loss of needle.



Specifications

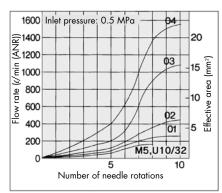
Proof pressure	1.5 MPa
Operating pressure range	0 to 1 MPa
Ambient and fluid temperature	– 5 to 60°C (No freezing)
Number of needle rotations	10 turns (8 turns Note)

Note) () is the case of ASN2-M5.

Symbol



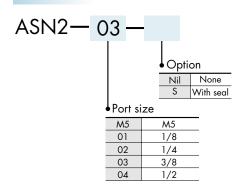
Needle Valve/ Flow Characteristics



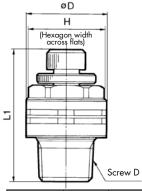
Model

Model	Port size	Effective area (mm²)	Weight (g)
ASN2-M5	M5	1.8	5
ASN2-01	1/8	3.6	17
ASN2-02	1/4	6.5	34
ASN2-03	3/8	16.6	55
ASN2-04	1/2	24.5	107

How to Order



Dimensions



Model	Screw D	øD	L	Н	
Model	Sciew D	טש	Min	Max	
ASN2-M5	M5	10	20.5	23.3	8
ASN2-01	1/8	15	30	35	12
ASN2-02	1/4	20	34.2	39.2	1 <i>7</i>
ASN2-03	3/8	25	37	42	19
ASN2-04	1/2	30	49	54	24



Quick Exhaust Valve

Series AQ

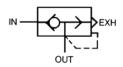
Features

- High exhaust characteristicss
- Port sizes from M5 ~ 3/4
- High flow capacity

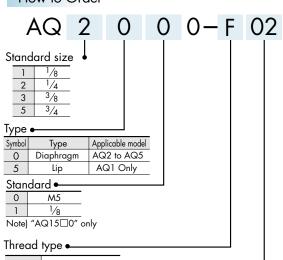
Specifications

Fluid	Air	
Proof pressure	1.5 MPa	
May operating pressure	AQ15□0	0.7 MPa
Max. operating pressure	AQ2000 to 5000	1 MPa
Min aparating pressure	AQ15□0	0.1 MPa
Min. operating pressure AQ2000 to 5000		0.05 MPa
Ambient and fluid ter	-5 to 60°C (No freezing)	

Symbol



How to Order



Port size •

Nil

Port size		Applicable series
M5	M5	AQ1500
01	1/8	AQ1510/2000
02	1/4	AQ2000/3000
03	3/8	AQ3000
04	1/2	AQ5000
06	3/4	AGSUUU

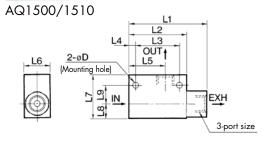
Metric thread (M5)



Model

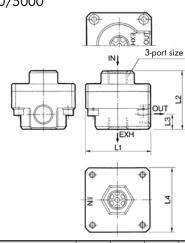
Model	Port size	Effective of	1 A / . * . / . 1	
Model	ron size	$IN \rightarrow OUT$	OUT → EXH	Weight (g)
AQ1500-M5	M5	2	2.8	25
AQ1510-01	1/8	4	5.8	45
AQ2000-01	1/8	25	25	110
AQ2000-02	1/4	35	40	105
AQ3000-02	1/4	40	42	215
AQ3000-03	3/8	60	70	205
AQ5000-04	1/2	105	115	690
AQ5000-06	3/4	135	180	650

Dimensions



Model	Port size	L1	L2	L3	L4	L5	L6	L7	L8	L9	D
AQ1500	M5	23	20	14	3	12.5	12	15	5.5	6.5	3.1
AQ1510	1/8	45	33	25	4	21	15	25	8	11	4.3

AQ2000/3000/5000



Model	Port size	L1	L2	L3	L4
AQ2000	1/8, 1/4	45	40	10	45
AQ3000	1/4, 3/8	56	50	12.5	56
AQ5000	1/2, 3/4	85	75	18	85



Quick Exhaust Valve with One-Touch Fitting

Series AQ240F/340F

Features

- Option of built-in silencer or facility to pipe exhaust away.
- Minimises installation time and cost.
- Integral one-touch fitings.
- Accepts Nylon and Polyurethane tubing.
- Compact lightweight design.

With silencer With exhaust port fitting

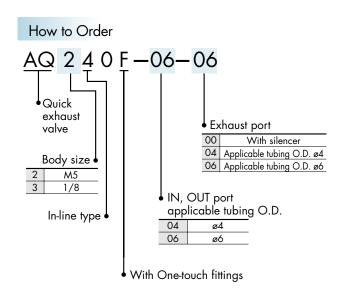
Specifications

Fluid	Air
Proof pressure	1.5 MPa
Max. operating pressure	1 MPa
Min. operating pressure	0.1 MPa
Ambient and fluid temperature	−5 to 60°C (No freezing)
Applicable tubing material Note)	Nylon, Soft nylon, Polyurethane

Note) Use caution regarding the max. operating pressure when soft nylon or polyurethane tubing is used.

Model

Model	Applicable tubin		Applicable tubing O.D.		ırea (mm²)
Model	4	6	1/4"	$IN \rightarrow OUT$	$OUT \rightarrow EXH.$
AQ240F-04-□	•			1.7	2.5
AQ240F-06-□		•		2.4	2.7
AQ340F-06-□		•		4	4



Note) Brass parts are all electroless nickel plated.

Symbol

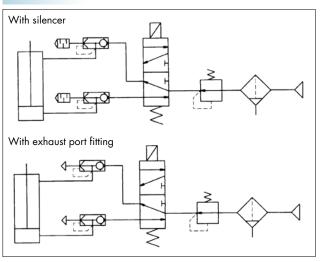




With silencer

With exhaust port fitting

Circuit





Speed Exhaust Controller Elbow Type/Tee Type

Quick Exhaust

Series **ASV**

Features

- Three functions from a single component
- Minimises installation time and cost
- Accepts nylon and polyurethane tubing
- Wide variety of sizes M3 to 1/2
- Integral One Touch fitting 4mm to 12mm
- Excellent control characteristics
- Compact design



■ Applicable tubing O.D.: Metric Size

Specifications

Series	ASV120F	ASV220F	ASV310F, 410F	ASV510F
Proof pressure		1.51	MPa	
Max. operating pressure		11/	\Pa	
Min. operating pressure	0.1MPa			
Ambient and fluid temperature	-5 to	o 60°C (With	no condensat	ion)
Number of needle rotations	10 rotations	8 rotations	12 rotations	15 rotations
Applicable tubing material Note 1)	Nylon, Soft nylon, Polyurethane			ne
Option	Hexagon lock nut With spatter cover, Hexagon loc			

Symbol EXH

Note 1) Pay attention to the maximum operating pressure when soft nylon, polyurethane is used.

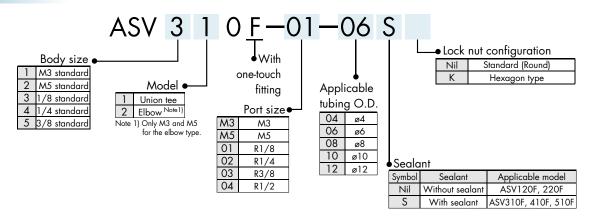
Model

		App	licab	le tuk	oing (O.D.
Model	Port size	Metric size				
		4	6	8	10	12
ASV120F-M3	M3	•				
ASV220F-M5	M5	•	•			
ASV310F-01	R1/8		•	•		
ASV310F-02	R1/4		•	•		
ASV410F-01	R1/8			•	•	
ASV410F-02	R1/4			•	•	
ASV410F-03	R3/8			•	•	
ASV510F-02	R1/4				•	•
ASV510F-03	R3/8				•	•
ASV510F-04	R1/2				•	•

Integration of a quick exhaust valve and an exhaust restrictor. Permits high-speed cylinder operation.

Applicable	Connection	Model
tubing O.D.	thread	Elbow type
4	M3	ASV120F-M3-04
	M5	ASV220F-M5-04
6	M5	ASV220F-M5-06
Applicable tubing O.D.	Connection	Model
mm	thread	Tee type
6	R1/8	ASV310F-01-06S
O	R1/4	-02-06S
	R1/8	ASV310F-01-08S
8	R1/4	-02-08\$

Applicable	Connection	Model
tubing O.D. mm	thread	Tee type
8	R1/4	ASV410F-02-08S
0	R3/8	-03-085
	R1/8	ASV410F-01-10S
	R1/4	-02-10S
10	R3/8	-03-10S
	R1/4	ASV510F-02-10S
	R3/8	-03-10S
	R1/2	-04-10S
	R1/4	ASV510F-02-12S
12	R3/8	-03-12S
	R1/2	-04-12S







Check Valve

Series **EAK**

Features

High flow capacity

Low cracking pressure: 0.2 bar

A wide variation of models

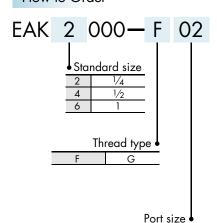
Specifications

Fluid	Air	
Proof pressure	1.5 MPa	
Maximum operating pressure	1 MPa	
Minimum operating pressure	0.02 MPa	
Ambient and fluid temperature	-5 to 60°C (No freezing)	

Model

Model	Port size	Effective area (mm²)	Weight (g)
EAK2000-01	1/8	25	105
EAK2000-02	1/4	27.5	100
EAK4000-02	1/4	47	155
EAK4000-03	3/8	85	150
EAK4000-04	1/2	95	140
EAK6000-06	3/4	200	345
EAK6000-10	1	230	315

How to Order



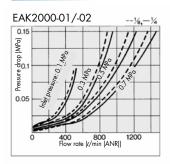
Port size		Applicable series
01	1/8	EAK2000
02	1/4	EAK2000/4000
03	3/8	EAK4000
04	1/2	EAK4000
06	3/4	EAK6000
10	1	FAKA000

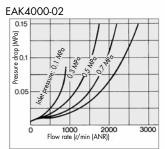


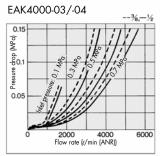
Symbol

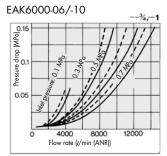


Flow Characteristics

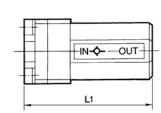


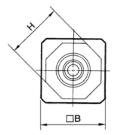






Dimensions





Port size	L1	□В	Н
1/8, 1/4	50	25	22
1/4, 3/8, 1/2	67	36	36
3/4, 1	95	50	50
	1/8, 1/4 1/4, 3/8, 1/2	1/8, 1/4 50 1/4, 3/8, 1/2 67	1/8, 1/4 50 25 1/4, 3/8, 1/2 67 36



Check Valve with One-Touch Fitting

Series AKH/AKB

Features

- 3 configurations provide design solutions based on the operating conditions.
- Straight type, Male Connector type and Bushing type.
- Can be used for vacuum (-100kPa).



Specifications

Fluid	Air
Proof pressure	1.5 MPa
Operating pressure range	-100 kPa to 1 MPa
Cracking pressure	0.005 MPa
Ambient temperature and operating fluid temperature	-5 to 60°C (No freezing)
Applicable tubing material Note	Nylon, Soft nylon, Polyurethane

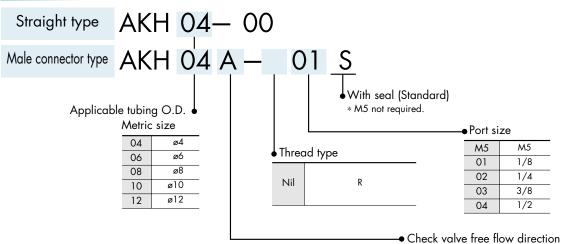
Note) Use caution regarding the max. operating pressure when soft nylon or polyurethane tubing is used.

■ Applicable tubing O.D.: Metric Size





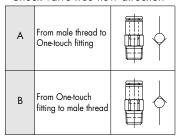
How to Order



Applicable Tubing O.D./Port Size Combinations

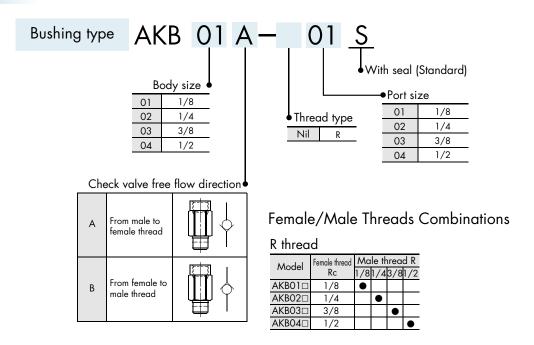
Metric size

Mellic size								
Model	Applicable tubing		R	three	ad			
Model	O.D.	M5	1/8	1/4	3/8	1/2		
AKH04□	ø4	•	•					
AKH06□	ø6	•	•	•				
AKH08□	ø8		•	•	•			
AKH10□	ø10			•	•	•		
AKH12□	ø12					•		





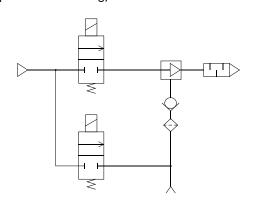
How to Order

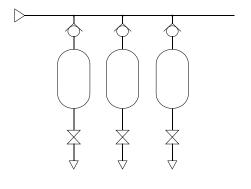


Application Example for Check Valve with One-touch Fitting

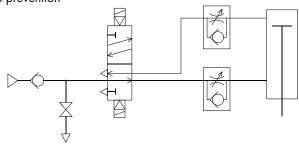
Prevention of reverse flow to vacuum source * (Simple vacuum holding)

Tank pressure reverse flow prevention









* A certain amount of leakage is allowed in the specifications of this product. Please note that it is not suitable for holding over an extended period of time.



Safety Speed Control Valve (SSC Valve)

Series EASS

Features

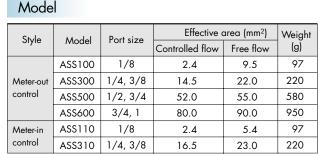
- Meter out type a control valve with cylinder speed control, fixed throttle and rapid air supply function.
- Meter-in type a control valve with cylinder speed control function and rapid air supply function.

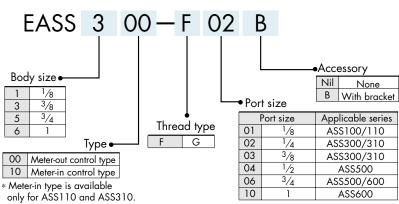


Specifications

Fluid	Air
Max. operating pressure	0.7 MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Set pressure	0.1 to 0.5 MPa

How to Order







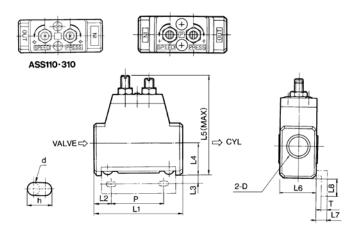






Meter-in control

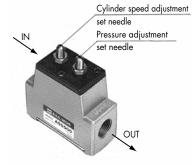
Dimensions



Mo	del	D	L1	L2	L3	L4	L5	L6	L7	L8	Р	d	h	T
ASS100	ASS110	1/8	50	1 <i>7</i>	4	14	52	20	5	9	20	5	10	2
ASS300	ASS310	1/4, 3/8	63	16.5	5	23	73	26	6	12	30	6	12	3.2
ASS500	_	1/2, 3/4	90	30.5	6	27	99	38	6	13	35	7	14	2.3
ASS600	_	3/4, 1	112	26	6	31	116	46	6	14	65	7	14	3.2

Mounting and Adjusting of SSC Valve

Mounting: Mount IN on the direction control valve side, and OUT on the cylinder side.



Bracket Part No.

Model	Part no.
ASS1□0	XT14-82-3-1
ASS3□0	XT14-105-5-1
ASS500	XT14-89-2-1
ASS600	XT14-85-2-1





Air Saving Valve Pressure Valve/Flow Valve

Series ASR/ASQ

Features

- Air consumption reduced by 25%.
- Reduces piping processes and saves space.
- Simplified 2 pressure control circuit.
- Improved cylinder response.

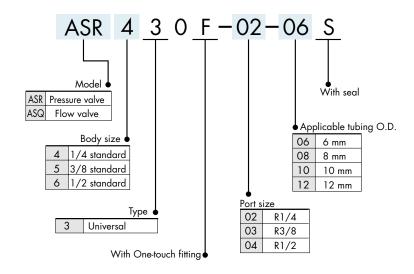
Specifications

Proof pressure		1.5 MPa
Maximum operation	ng pressure	1.0 MPa
Set pressure	Variable	0.1 to 0.3 MPa
range	Fixed (option)	0.2 MPa
Ambient and fluid	temperature	–5 to 60°C (with no freezing)
Number of needle	rotations	10 rotations
Applicable tubing	material	Nylon, Soft nylon, Polyurethane

Model

N	lodel	Port	Applic	able tub	ing O.D	. (mm)
Pressure valve	Flow valve	size	6	8	10	12
ASR430F-02	ASQ430F-02	R1/4	•	•	•	
ASR530F-02	ASQ530F-02	R1/4	•	•	•	•
ASR530F-03	ASQ530F-03	R3/8	•	•	•	•
ASR630F-03	ASQ630F-03	R3/8			•	•
ASR630F-04	ASQ630F-04	R1/2			•	•

How to Order

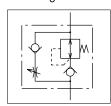




Pressure valve: Series ASR



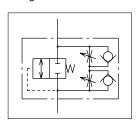
Regulator with check valve and flow control valve integrated into a single construction



Flow valve: Series ASQ

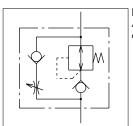


Pilot valve and two-way flow control valve integrated into a single construction





PFC Valve: ASR



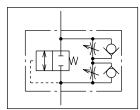
PFC valve A regulator with check valve and a flow control valve are integrated in one body.



Variable Set Pressure Type

Applicable tubing O.D.	Connection thread	Model
	R1/4	ASR430F-02-06S
6	R1/4	ASR530F-02-06S
	R3/8	-03-06S
	R1/4	ASR430F-02-08S
8	R1/4	ASR530F-02-08S
	R3/8	-03-08\$
	R1/4	ASR430F-02-10S
	R1/4	ASR530F-02-10S
10	R3/8	-03-10\$
	R3/8	ASR630F-03-10S
	R1/2	-04-10S
	R1/4	ASR530F-02-12S
12	R3/8	-03-12\$
	R3/8	ASR630F-03-12S
	R1/2	-04-12\$

QFC Valve: ASQ



QFC valve
A pilot type switching valve and 2 direction
flow control valve are integrated in one body.



Variable Set Pressure Type

variable beli ressure Type						
Applicable tubing O.D.	Connection thread	Model				
	R1/4	ASQ430F-02-06S				
6	R1/4	ASQ530F-02-06S				
	R3/8	-03-06\$				
	R1/4	ASQ430F-02-08S				
8	R1/4	ASQ530F-02-08S				
	R3/8	-03-08\$				
	R1/4	ASQ430F-02-10S				
	R1/4	ASQ530F-02-10S				
10	R3/8	-03-10S				
	R3/8	ASQ630F-03-10S				
	R1/2	-04-10S				
	R1/4	ASQ530F-02-12S				
12	R3/8	-03-12\$				
12	R3/8	ASQ630F-03-12S				
	R1/2	-04-12S				

