

Speed Exhaust Controller

Series ASV

Size: M3, M5, 1/8, 1/4, 3/8

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

- The effective area is two times larger. (In comparison with control by speed controller)
Applicable model: ASV310F, ASV410F, ASV510F
- Silencer and One-touch fittings are installed.
- Flame resistant resin body as standard. (UL standard V-0)
Applicable model: ASV310F, ASV410F, ASV510F
- Brass parts are all electroless nickel plated.

How to Order

ASV 3 1 0 F - 01 - 06 S K

Speed exhaust controller

Body size

1	M3
2	M5
3	1/8
4	1/4
5	3/8

Type

1	Tee
2	Elbow Note)

Note) "Elbow": M3, M5 only

With One-touch fitting

Thread type

Nil	M3, M5, U10/32
N	R NPT

Option

Nil	None
C	With spatter cover
K	Hexagonal lock nut

Note) Option should be indicated in order of C and K. Available only for ASV310F, 410F and 510F.

Seal

Symbol	Seal	Applicable model
Nil	None	ASV120F/E220F
S	With seal	ASV310F/410F/510F

Applicable tubing O.D.

Metric size	Inch size
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
03	ø5/32"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

Port size

M3	M3 x 0.5
M5	M5 x 0.8
U10/32	10-32 UNF
01	1/8
02	1/4
03	3/8
04	1/2

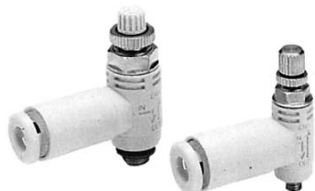
Model

Model	Port size	Applicable tubing O.D. (mm)										Effective area (mm ²)	
		4	6	8	10	12	5/32"	1/4"	5/16"	3/8"	1/2"	IN → OUT	OUT → EXH.
ASV120F-M3	M3 x 0.5	●										0.3	0.3
ASV220F-M5	M5 x 0.8	●	●									1.3	1.3
ASV310F-01	R 1/8		●	●								7	8
ASV310F-02	R 1/4		●	●								7	8
ASV410F-01	R 1/8			●	●							13.5	14
ASV410F-02	R 1/4			●	●							13.5	14
ASV410F-03	R 3/8			●	●							13.5	14
ASV510F-02	R 1/4				●	●						23	27
ASV510F-03	R 3/8				●	●						27	29
ASV510F-04	R 1/2				●	●						27	29
ASV220F-U10/32	10-32 UNF					●	●					1.3	1.3
ASV310F-N01	NPT 1/8						●	●				7	8
ASV310F-N02	NPT 1/4						●	●				7	8
ASV410F-N01	NPT 1/8							●	●			13.5	14
ASV410F-N02	NPT 1/4							●	●			13.5	14
ASV410F-N03	NPT 3/8							●	●			13.5	14
ASV510F-N02	NPT 1/4								●	●		23	27
ASV510F-N03	NPT 3/8								●	●		27	29
ASV510F-N04	NPT 1/2								●	●		27	29

Specifications

Series	ASV120F	ASV220F	ASV310F/410F	ASV510F
Fluid	Air			
Proof pressure	1.5 MPa			
Max. operating pressure	1 MPa			
Min. operating pressure	0.1 MPa			
Ambient and fluid temperature				
Number of needle rotations	10 turns	8 turns	12 turns	15 turns
Applicable tubing material Note)	Nylon, Soft nylon, Polyurethane			
Option	Hexagonal lock nut		With spatter cover, Hexagonal lock nut	

Note) Use caution regarding the max. operating pressure when soft nylon or polyurethane tubing is used.
(Refer to pages 15-6-3 to 15-6-5 for details.)



JIS Symbol

