

Speed Controller with Residual Pressure Release Valve

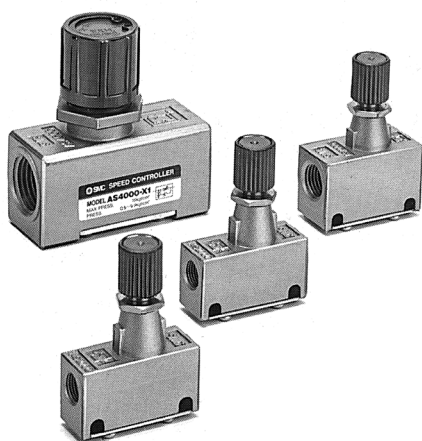
Series AS□□□□E

Standard

RoHS

Residual pressure can be easily released with one push of button.

Eye-catching red colour release button.



Model/Air Flow, Effective Area

Model	Port size	Free flow		Controlled flow		Applicable cylinder bore size (mm)	Weight (g)
		Air flow (l/min(ANR))	Effective area (mm ²)	Air flow (l/min(ANR))	Effective area (mm ²)		
AS2000E-01	Rc(PT)1/8	340	5.2	250	3.8	20, 25, 32, 40	90
AS2000E-02	Rc(PT)1/4						115
AS3000E-02	Rc(PT)1/4	810	12.3	810	12.3	32, 40, 50, 63	130
AS3000E-03	Rc(PT)3/8						
AS4000E-02	Rc(PT)1/4	1670	25.5	1670	25.5	40, 50, 63, 80, 100	225
AS4000E-03	Rc(PT)3/8						
AS4000E-04	Rc(PT)1/2						

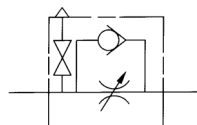
Note) Supply pressure: 0.5MPa, Temperature: 20°C.

Specifications

Proof pressure	1.5MPa
Max. operating pressure	1.0MPa
Min. operating pressure	0.05MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Number of needle rotations	8 turns
Effective area of residual exhaust valve	0.8mm ²

How to Order

JIS Symbol



AS 2 000 E - 01

Body size

2	1/8, 1/4
3	3/8
4	1/2

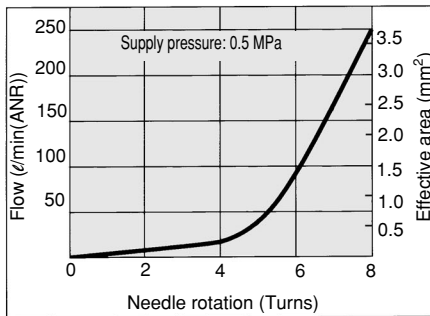
Port size

Port size	Applicable series
01 Rc(PT)1/8	AS2000E
02 Rc(PT)1/4	AS2000E, 3000E, 4000E
03 Rc(PT)3/8	AS3000E, 4000E
04 Rc(PT)1/2	AS4000E

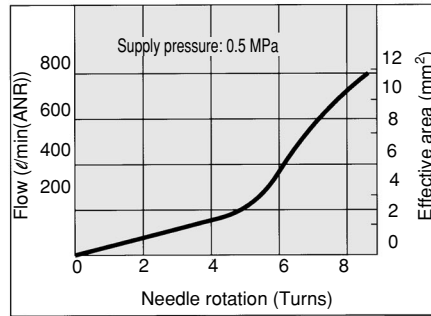
With residual pressure release valve

Needle Valve/Flow Characteristics

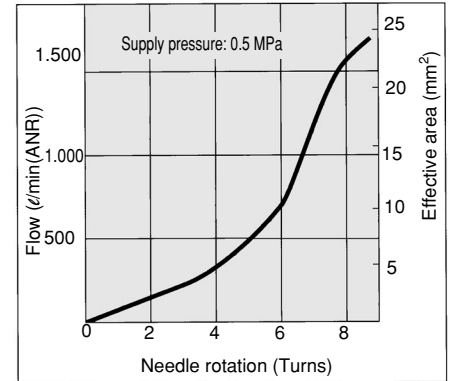
AS2000E



AS3000E

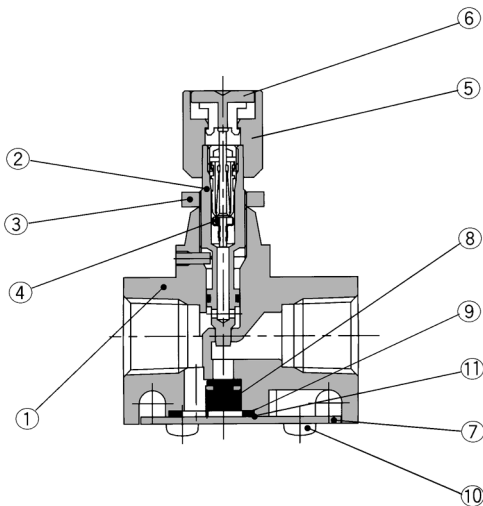


AS4000E

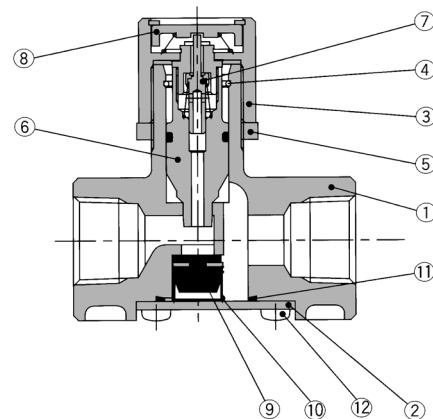


Construction

AS2000E/3000E



AS4000E



Component Parts

No.	Description	Model	
		AS2000	AS3000
①	Body	Zinc alloy	Aluminum alloy
②	Needle	Brass	Brass
③	Lock nut	Brass	Brass
④	Valve core	—	—
⑤	Handle	Aluminum alloy (Red painted)	Aluminum alloy (Red painted)
⑥	Push button	POM (Red)	POM (Red)
⑦	Cap	Stainless steel	Stainless steel

No.	Description	Material
⑧	Valve	NBR
⑨	Spring	Stainless steel
⑩	Cross-recessed head cap screw	Stainless steel
⑪	O ring	NBR

Component Parts

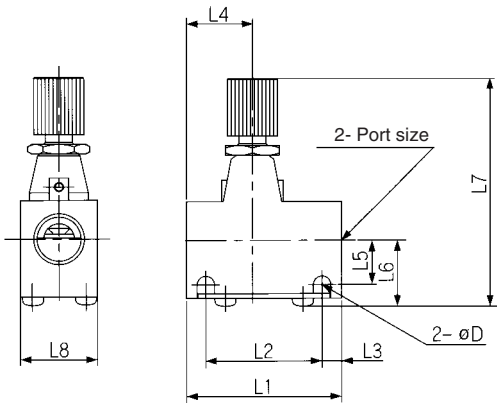
No.	Description	Material	Note
①	Body	Aluminum alloy	Chromated
②	Cap	SPC	Nickel plated
③	Handle	Zinc alloy	Chromated, Red
④	Ring	Spring steel	Zinc chromated
⑤	Lock nut	Zinc alloy	Chromated
⑥	Needle	Aluminum alloy	Chromated
⑦	Valve	NBR/Stainless steel	
⑧	Push button	POM	Red

No.	Description	Material
⑨	Valve	NBR/ Brass
⑩	Spring	Stainless steel
⑪	O ring	NBR
⑫	Cross-recessed head cap screw	Steel wire

Series AS□□□□E

Dimensions

AS2000E/3000E



Model	Port size	L1	L2	L3	L4	L5	L6	L7		L8	D
								MAX.	MIN.		
AS2000E-01	Rc(PT)1/8	40	30	5	17	10	15.5	61.5	57	16	4.5
AS2000E-02	Rc(PT)1/4	40	30	5	23	12	17	63.5	59	20	4.5
AS3000E-02, 03	Rc(PT)1/4, 3/8	56	45.5	5.25	25	13.25	20.6	76	69	26	5.5

AS4000E

