Speed Controller: Standard Type
In-line Push Locking Type
AS Series

RoHS

Lock speed setting, with the touch of a button
It can be locked only by pushing the handle after adjustment.

Convenient opening indication scale
The opening indication scale for the needle valve is provided on the handle to facilitate speed adjustments.

Easy speed control at low flow volume ranges

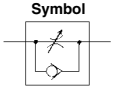
Possible to control the mass velocity

Constant handle constructed of metal to withstand heavy usage
In addition to the standard handle made of resin, a heavy-duty metal handle is also available.

Retainer prevents an accidental loss of needle

Resin handle　　Metal handle

Symbol



⚠ Caution

Be sure to read this before handling the products.
Refer to back page 50 for Safety Instructions and pages 543 to 546 for Flow Control Equipment Precautions.

Model/Specifications

Specifications \ Model	Resin handle	AS3500-02	AS3500-03
	Metal handle	AS3500-02-2	AS3500-03-2
Port size		1/4	3/8
Fluid		Air	
Proof pressure		1.5 MPa	
Max. operating pressure		1 MPa	
Min. operating pressure		0.05 MPa	
Ambient and fluid temperature		–5 to 60°C (No freezing)	
Weight		130 g (Metallic handle: 140 g)	

Free flow	**Flow rate** (L/min (ANR))	810
	Sonic conductance $dm^3/(s \cdot bar)$	2.3
	Critical pressure ratio	0.35
Controlled flow	**Flow rate** (L/min (ANR))	810
	Sonic conductance $dm^3/(s \cdot bar)$	2.3
	Critical pressure ratio	0.2

How to Order

AS3500 – □ 02 – □

Thread type

Nil	Rc
N	NPT
F	G

Port size

02	1/4
03	3/8

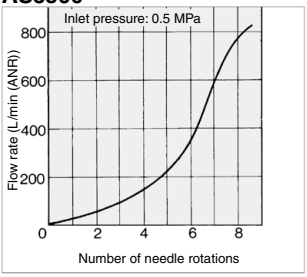
Material for handle

Nil	Resin
2	Metal

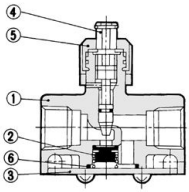
Needle Valve/ Flow Rate Characteristics

Note) The flow rate characteristics are representative values.

AS3500



Construction



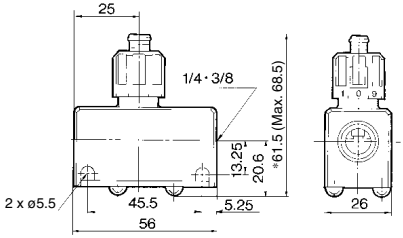
Component Parts

No.	Description	Material
1	**Body**	Aluminum alloy
2	**Valve**	NBR
3	**Cap**	Rolled steel
4	**Needle**	Brass
5	**Handle**	POM
		Zinc alloy

Replacement Parts

No.	Description	Material	Part no.
6	**O-ring**	NBR	14284

Dimensions



∗ Reference dimensions