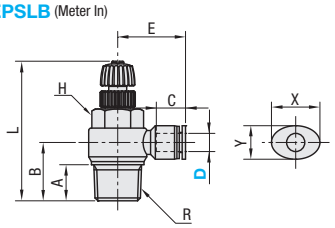
MiSUMi VALUE Speed Controller

Points of Comparison Versus Similar Products | Compared to the conventional high quality part, this is an economy part. It has not received RoHS Directive Inspection.

Similar Product Page P.1513

■Speed Controller (Meter Out / In)

EPSLA (Meter Out)
EPSLB (Meter In)



Part Number Type	Applicable Tube O.D. D	Thread Size Nominal	Thread SizeR	L (MIN)	L (MAX)	A	B	E	C	H	X	Y	Unit Price EPSLA	Unit Price EPSLB
EPSLA (Meter Out) EPSLB (Meter In)	4	M5	M5	29	32	4	10.7	20	15	8	11.9	10.5		
		1	R1/8	38	44	8	15	22	15	10	11.9	10.5		
	6	M5	M5	29	32	4	12	22	15	8	14	13		
		1	R1/8	38	44	8	15	23	15	10				
		2*	R1/4	44	51	11	19	25	15	14				-
	8	1	R1/8	38	44	8	16	25	17	10	16	14		
		2	R1/4	44	51	11	20	28	17	14				
	10	2	R1/4	44	51	11	21	32	21	14	20	17		
		3*	R3/8	49	55	12	23	33	21	19				-
	12	3*	R3/8	49	55	12	24	35	22	19	23	21		-

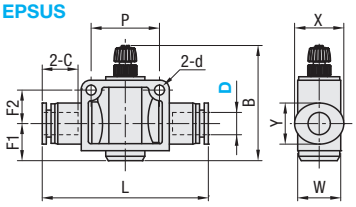
*marked sizes are only available for Meter Out. There are no Meter-In for these sizes.

Ordering Example

Part Number	-	Thread Nominal
EPSLA8	-	1

■Speed Controller Union Straight

EPSUS



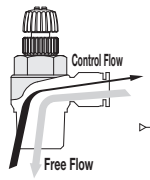
Part Number Type	Applicable Tube O.D. D	B (MIN)	B (MAX)	L	P	C	F1	F2	W	X	Y	d	Unit Price
EPSUS	4	28	31	40	14	14	6.5	6.5	12	12	11	3.2	
	6	41	48	48	20	16	11	9	15	14	13	4.3	
	8	44	52	52	22	17	12	10	18	16	14	4.3	
	10	48	55	55	26	20	13	11	21	20	17	4.3	
	12	52	58	58	32	22	16	13	28	23	21	4.3	

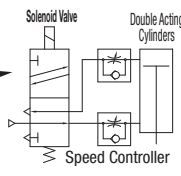
Ordering Example

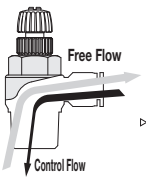
Part Number
EPSUS10

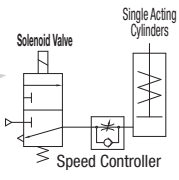
■Meter Out / In

Meter Out	Meter-In
• It controls the air entering from the threaded side. • It does not control the air that enters from the one-touch joint side. • App. Example: Double Acting Cylinder	• It controls the air that enters from the one-touch joint side. • It does not control the air entering from the threaded side. • App. Example: Single Acting Cylinder



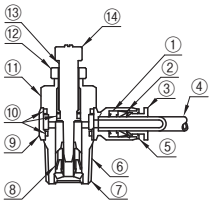






Meter Out Type has "OUT" printed on the unit.

Speed Controller Part Diagram



No.	Part Name	Material	No.	Part Name	Material
①	Elastic Sleeve	NBR	⑧	Diaphragm	NBR
②	Lock Pawl	Stainless Steel	⑨	Resin Body	PBT
③	Release Ring	POM	⑩	O-Ring	NBR
④	Tube	PU / Nylon, etc.	⑪	Metal Body	Brass
⑤	Guide Ring	Zinc	⑫	Lock Nut	Aluminum
⑥	Seal Coating	PTFE	⑬	Needle	Brass
⑦	Metal Body	Brass	⑭	Leveling Nut	PA66

If the thread size is M5, fit an O-Ring (NBR) to the base of the thread.

■Tightening Torque Table

Type of Thread	Thread Size (symbol)	Tightening Torque (kgf.cm)	Tightening Torque (N)
Metric Thread	M5	15~19	1.4~1.8
Taper thread (R)	R1/8(1)	70~90	7~9
	R1/4(2)	120~140	12~14
	R3/8(3)	220~240	22~24
	R1/2(4)	280~300	27~29

Precautions for Use
(One-Touch Coupling / Speed Controller)
- Do not excessively twist, bend or pull on the joint body as it could cause damage. When tightening threads, refer to the tightening torque table above. Over-tightening could cause thread breakage and gasket deformation, which could cause leaks. Under-tightening could result in looseness in the threaded sections, which could cause leaks.

(Speed Controller)
- Do not use for the purpose of making the flow rate zero.