

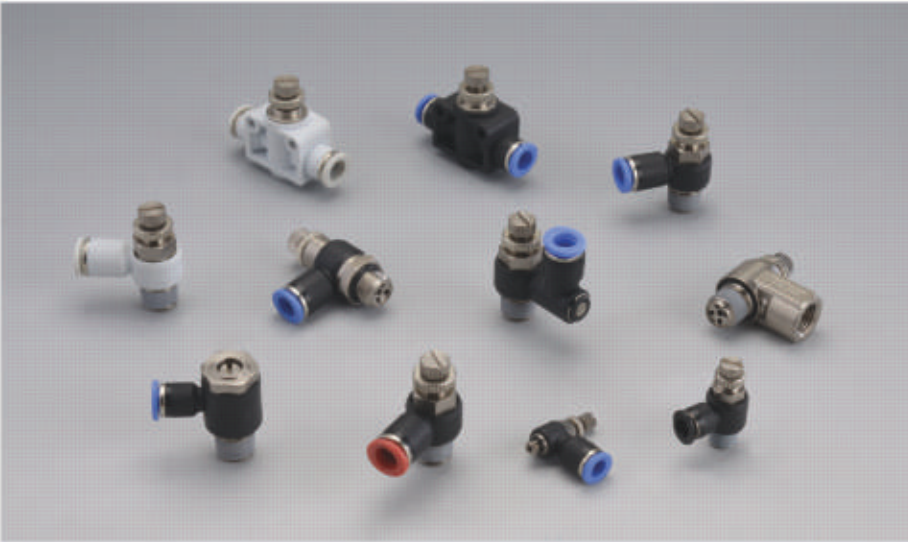
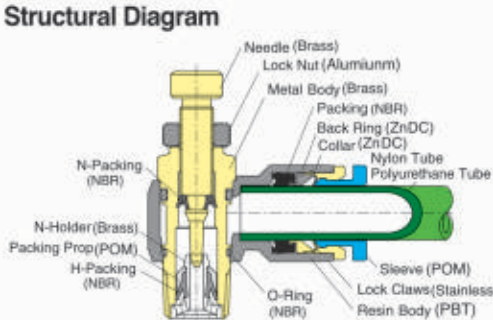
Metric Size R(PT) Thread Type

- One -Touch Fittings
- Compact One -Touch Fittings
- **Speed Controllers**
- Metal Body Speed Controllers
- Rotary Joints
- Stop Fittings
- Check Valves
- Ball Valves
- Main Blocks
- Hand Valves
- Hand Slide Valves
- Two-Touch Fittings

SPEED CONTROLLERS

- Application**
- Valve used for controlling the operation speed of a driving device.
 - Used for movement of machines such as cylinder, pneumatic finger, etc.
- Feature**
- Precisely permit the optimal rate of airflow for the smooth cylinder movement of driving devices.
 - The Compact and light body permits use in confined space.
 - Uni-directional airflow is available for either exhaust or inlet flow control methods.
 - The compact design provides a comparable range of speed as the conventional speed controllers do.

Specification		
Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~150PSI	0~9Kgf/cm ² (0~900kPa)
Negative Pressure	7.5PSI	0.5Kgf/cm ² (50kPa)
Temperature Range	32~140° F	0~60° C
Applicable Tube Material	Polyurethane and Nylon	



- Case In Use**
- Out-Type**
 - The way to control of airflow from the thread to the sleeve.
 - Air passes freely from the sleeve to the thread.
 - In-Type**
 - The way to control of airflow from the sleeve to the thread.
 - Air passes freely from the thread to the sleeve.
 - Flat-Type**
 - The way to control of Free Flow or Control Flow upon piping in accordance with the signal on the body.
 - Air flows from each side of sleeve.

Product Code System

NSE O8-O2 O

① ② ③ ④

① Type

② Tube Dia(ØD)

Code	03	04	06	10	12	16
Dia	Ø3	Ø4	Ø6	Ø10	Ø12	Ø16

③ Thread Size(T)

	Metric Size		Taper Pipe Thread			
Code	M3	M5	01	02	03	04
Size	M3×0.5	M5×0.8	R1/8	R1/4	R3/8	R1/2

④ Control Method

Type	Meter out		Meter in	
Sleeve	Standard Blue	Compact Black	Standard Red	Compact Red
Symbol				

- CAUTION**
- Be sure to read "Common Precautions" and "Using Precautions of Fitting Series" (P12) before using.
 - Never remove the needle by force. It causes separation of the needle from the body.
 - There can be a slight leakage, therefore do not use in applications requiring zero air flow rate.
- WARNING**
- Be sure to use after confirming structural diagram and control direction of each controller, otherwise fittings may result in damage.
 - Never roll or turn the body by force.
 - When controlling the objective machine's speed, slowly open the needle of speed controller from the closed position.

Metric Size R(PT) Thread Type

- One -Touch Fittings
- Compact One -Touch Fittings
- Speed Controllers
- **Metal Body Speed Controllers**
- Rotary Joints
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METAL BODY SPEED CONTROLLERS

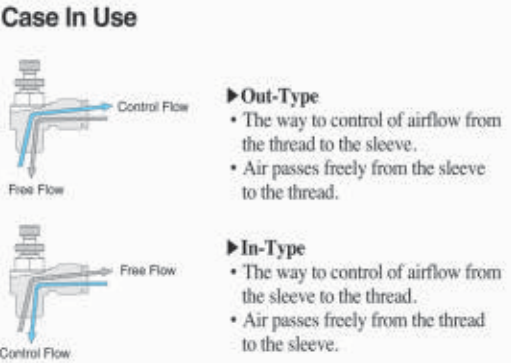
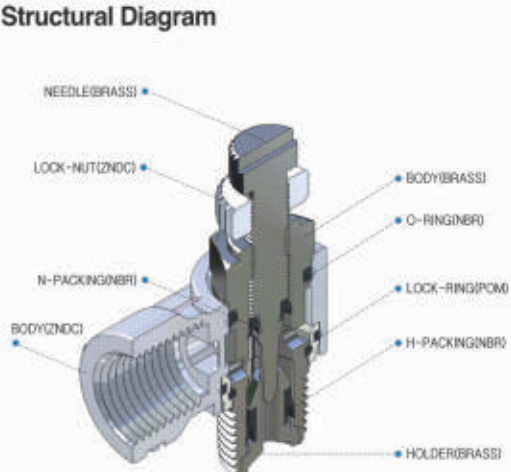
- Application**
- Valve used for controlling the operation speed of a driving device.
 - Using the pipe which connected to actuator
- Feature**
- Reduce the number and cost of the plumber
 - Piping can be set freely
 - Easy speed control, permit constant speed in low flow area.
 - Needle valve leak prevention appliance

Specification	
Fluid	Air(No other gases or liquids)
Working Pressure Range	9kgf/cm ² (0.9Mpa)
Negative Pressure	1kgf/cm ² (0.1Mpa)
Temperature Range	-750mmHg(10Torr)
Applicable Tube Material	0~60 ° C



Product Code System **NSL O2 - O**

① Type		①	②	③		
② Tube Dia(∅D)						
• Metric Size & Taper Pipe Thread						
Section		Metric Size	Taper Pipe Thread			
Diameter	Cylinder direct	M5	01	02	03	04
	Tube direct	M5 X 0.8	R(PT)1/8 Rc(PT)1/8	R(PT)1/4 Rc(PT)1/4	R(PT)3/8 Rc(PT)3/8	R(PT)1/2 Rc(PT)1/2
• Parallel Pipe Thread						
Section		Taper Pipe Thread				
Diameter	Cylinder direct	G01	G02	G03	G04	
	Tube direct	PF 1/8	PF 1/4	PF 3/8	PF 1/2	
• Unified Fine Thread & American Standard Taper Pipe Thread						
Section		Unified Fine Thread	American Standard Taper Pipe Thread(Inch)			
Diameter	Cylinder direct	U10	N01	N02	N03	N04
	Tube direct	10-32UNF	NPT 1/8	NPT 1/4	NPT 3/8	NPT 1/2
③ Control Method						
Type	Meter out	Meter in				
Symbol						



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