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.

Specification

Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~284PSI	0~20Kgf/㎠(0~1960kPa)
Negative Pressure	7.5PSI	0.5gf/㎠(50kPa)
Temperature Range	32~176℉	0~80℃
Applicable Tube Material	Polyurethane and Nylon	



Product Code System

NSE 08 - 02 O

① ② ③ ④

① Type

② Tube Dia(ØD)

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

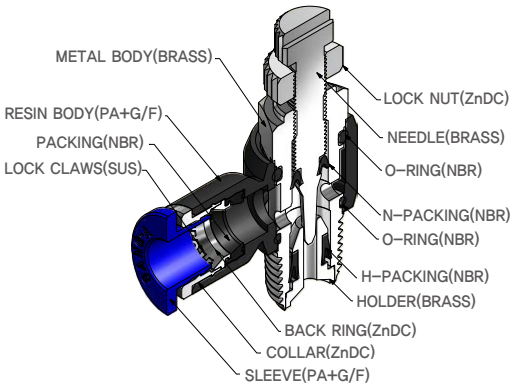
③ Thread Size(T)

	Metric size		Taper Pipe Thread			
Code	M3	M5	01	02	03	04
Size	M3X0.5	M5X0.8	R1/8	R1/4	R3/8	R1/2

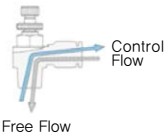
④ Control Method

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

Structural Diagram

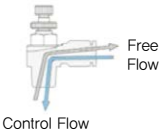


Case In Use



▶ 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.

⚠ CAUTION

- Be sure to read "Common Precautions" and "Using Precautions of Fitting Series"(P14) 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.

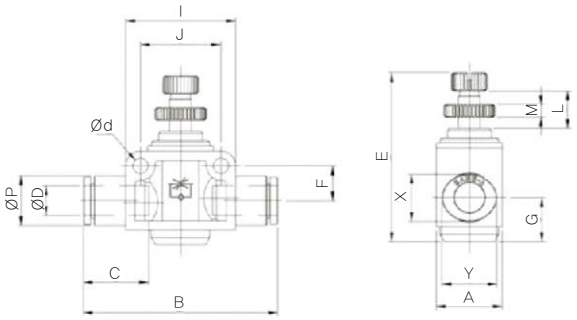
⚠ WARNING

- 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.

GNSF

Union Straight





MODEL [ØD – T] Tube (Metric) – Thread(R) (mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	I	J	L	M	Ød	X	Y	W.G(g)	Q'ty/Inbox
18410400	GNSF 04	4	9	11	38.8	14.5	28.7	6.5	6.5	20	14	5	2.5	3.2	8.6	10.8	11.5	50
18410600	GNSF 06	6	11.2	15	46.7	15.5	40.9	8.5	10.9	28	20	9.5	3.5	4.2	11	13	27.6	25
18410800	GNSF 08	8	13.6	18	53	17.8	46.2	9.5	12	30	22	10.2	3.5	4.2	13	15	40.4	25
18411000	GNSF 10	10	16.3	21	60.6	19.4	52.5	11	12	34	26	11.5	3.5	4.2	16	18.5	66.4	20
18411200	GNSF 12	12	19.7	28	73.8	22.4	55.6	13	16	40	32	11.5	3.5	4.2	19.5	22.5	110.6	12