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

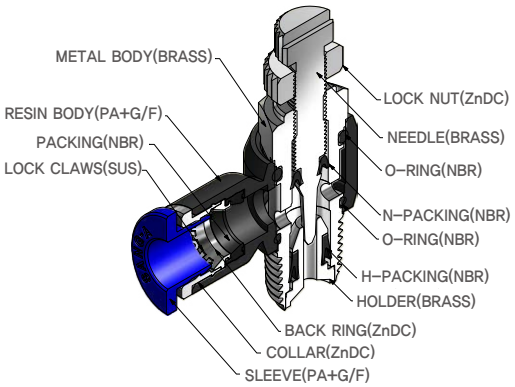
③ Thread Size(T)

	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

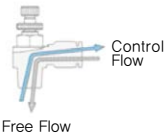
④ Control Method

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

Structural Diagram

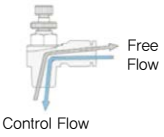


Case In Use



▶ 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.

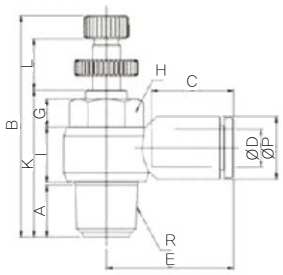
⚠ WARNING

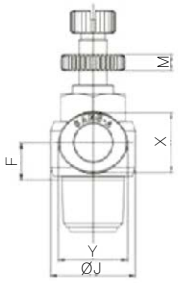
- Be sure to use after confirming structural diagram and control direction of each controller, otherwise fittings may result in damage.
- Never roll or turn the body by force.
- When controlling the objective machine's speed, slowly open the needle of speed controller from the closed position.

GNSE

Elbow







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

CODE	MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	ØJ	K	L	M	X	Y	W.G(g)	Q'ty/Inbox
18020402	GNSE 04M5	4	M5	9	3.5	29.5	14.5	19.1	6.5	4	8	9.1	10.4	19.5	5	2.5	8.6	10.8	8	100
18020411	GNSE 0401	4	R1/8	9	7.7	40.1	14.5	20.9	7	4	10	12.2	14.4	25.6	10.5	3.5	8.6	10.8	17.2	50
18020412	GNSE 0402	4	R1/4	9	11.2	48	14.5	22.8	7	6	14	12	18.4	31.9	11.1	3.5	8.6	10.8	34.4	50
18020602	GNSE 06M5	6	M5	11.2	3.5	29.5	15.5	21	7.7	4	8	9.1	10.4	19.5	5	2.5	8.6	10.8	9.1	100
18020611	GNSE 0601	6	R1/8	11.2	7.7	40.1	15.5	22	7	4	10	12.2	14.4	25.6	10.5	3.5	11	13	17.9	50
18020612	GNSE 0602	6	R1/4	11.2	11.2	48	15.5	24	7	6	14	12	18.4	31.9	11.1	3.5	11	13	35.1	50
18020613	GNSE 0603	6	R3/8	11.2	13.3	54.2	15.5	26	8.7	5	19	15.7	22	37.2	12	3.5	11	13	62.5	25
18020811	GNSE 0801	8	R1/8	13.6	7.7	40.1	17.8	25.1	8	4	10	12.2	14.4	25.6	10.5	3.5	13	15	19	50
18020812	GNSE 0802	8	R1/4	13.6	11.2	48	17.8	27.6	8.1	6	14	12	18.4	31.9	11.1	3.5	13	15	36.1	50
18020813	GNSE 0803	8	R3/8	13.6	13.3	54.2	17.8	28.6	8.1	5	19	15.7	22	37.2	12	3.5	13	15	63.5	25
18020814	GNSE 0804	8	R1/2	13.6	16.5	59.8	17.8	31.6	8.4	5.5	24	18	28	42.8	12	3.5	13	15	94	20
18021012	GNSE 1002	10	R1/4	16.3	11.2	48	19.4	29.6	9.6	6	14	12	18.4	31.9	11.1	3.5	16	18.5	38.9	25
18021013	GNSE 1003	10	R3/8	16.3	13.3	54.2	19.4	30	9.7	5	19	15.7	22	37.2	12	3.5	16	18.5	67.8	25
18021014	GNSE 1004	10	R1/2	16.3	16.5	59.8	19.4	32.9	10	5.5	24	18	28	42.8	12	3.5	16	18.5	98.7	20
18021212	GNSE 1202	12	R1/4	19.7	11.2	48	22.4	33.9	11.3	6	14	12	18.4	31.9	11.1	3.5	19.5	22.5	42.5	25
18021213	GNSE 1203	12	R3/8	19.7	13.3	54.2	22.4	35.9	11.4	5	19	15.7	22	37.2	12	3.5	19.5	22.5	70.6	25
18021214	GNSE 1204	12	R1/2	19.7	16.5	59.8	22.4	38.9	11.7	5.5	24	18	28	42.8	12	3.5	19.5	22.5	100.4	20