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

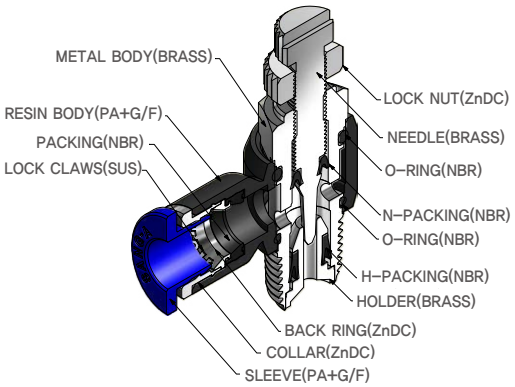
③ Thread Size(T)

	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

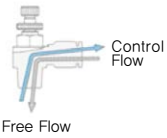
④ Control Method

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

Structural Diagram

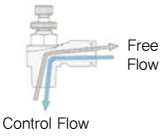


Case In Use



▶ 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.

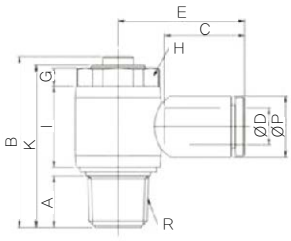
⚠ WARNING

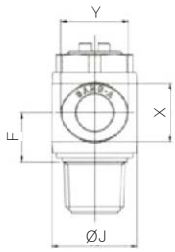
- Be sure to use after confirming structural diagram and control direction of each controller, otherwise fittings may result in damage.
- Never roll or turn the body by force.
- When controlling the objective machine's speed, slowly open the needle of speed controller from the closed position.

GNSH

Elbow







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

CODE	MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	ØJ	K	X	Y	W.G(g)	Q'ty/Inbox
18010302	GNSH 03M5	3	M5	9	3.5	22.5	14.5	19.5	6.6	3.5	8	11.8	10	21	8.6	10.8	6.6	100
18010402	GNSH 04M5	4	M5	9	3.5	22.5	14.5	19.5	6.6	3.5	8	11.8	10	21	8.6	10.8	7	100
18010411	GNSH 0401	4	R1/8	9	8	30	14.5	21.5	8.8	4	13	14.5	14	28.5	8.6	10.8	19.5	50
18010412	GNSH 0402	4	R1/4	9	11	38	14.5	24	11	4	17	18	19	36.1	8.6	10.8	37.4	50
18010413	GNSH 0403	4	R3/8	9	12	45.2	14.5	25.7	13.3	5.5	21	21	22.4	42.5	8.6	10.8	70.6	25
18010602	GNSH 06M5	6	M5	11.2	3.5	22.5	15.5	20.5	7.1	3.5	8	11.8	10	21	8.6	10.8	7.8	100
18010611	GNSH 0601	6	R1/8	11.2	8	30	15.5	22.5	8.8	4	13	14.5	14	28.5	11	13	20.2	50
18010612	GNSH 0602	6	R1/4	11.2	11	38	15.5	25	11	4	17	18	19	36.1	11	13	38.2	50
18010613	GNSH 0603	6	R3/8	11.2	12	45.2	15.5	26.7	13.3	5.5	21	21	22.4	42.5	11	13	71.4	25
18010811	GNSH 0801	8	R1/8	13.6	8	30	17.8	25.6	9.5	4	13	14.5	14	28.5	13	15	21.5	50
18010812	GNSH 0802	8	R1/4	13.6	11	38	17.8	28.1	11	4	17	18	19	36.1	13	15	39.5	50
18010813	GNSH 0803	8	R3/8	13.6	12	45.2	17.8	29.8	13.3	5.5	21	21	22.4	42.5	13	15	71.8	25
18010814	GNSH 0804	8	R1/2	13.6	15	51.4	17.8	32.1	13.8	7	24	22	27	48.7	13	15	111.7	20
18011012	GNSH 1002	10	R1/4	16.3	11	38	19.4	28.9	11.7	4	17	18	19	36.1	16	18.5	42.4	25
18011013	GNSH 1003	10	R3/8	16.3	12	45.2	19.4	30.6	13.3	5.5	21	21	22.4	42.5	16	18.5	73.8	25
18011014	GNSH 1004	10	R1/2	16.3	15	51.4	19.4	32.9	13.8	7	24	22	27	48.7	16	18.5	112.8	20
18011213	GNSH 1203	12	R3/8	19.7	12	45.2	22.4	35.9	13.3	5.5	21	21	22.4	42.5	19.5	22.5	78.2	25
18011214	GNSH 1204	12	R1/2	19.7	15	51.4	22.4	38.2	13.8	7	24	22	27	48.7	19.5	22.5	117.2	20