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

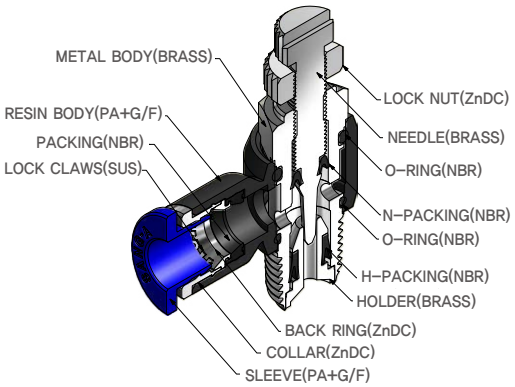
- Precisely permit the optimal rate of airflow for the smooth cylinder movement of driving devices.
- The compact and light body permits use in confined space.
- Uni-directional airflow is available for either exhaust or inlet flow control methods.
- The compact design provides a comparable range of speed as the conventional speed controllers do..

Specification

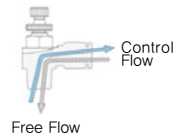
Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~284PSI	0~20Kgf/㎠(0~1960kPa)
Negative Pressure	7.5PSI	0.5gf/㎠(50kPa)
Temperature Range	32~176℉	0~80℃
Applicable Tube Material	Polyurethane and Nylon	



Structural Diagram

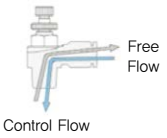


Case In Use



▶ 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.

Product Code System

NSE 08 - G02 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)

	Taper Pipe Thread			
Code	G01	G02	G03	G04
Size	G1/8	G1/4	G3/8	G1/2

④ Control Method

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

⚠ 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.

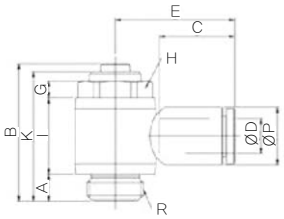
⚠ WARNING

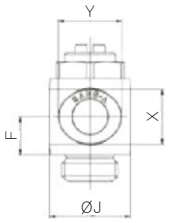
- Be sure to use after confirming structural diagram and control direction of each controller, otherwise fittings may result in damage.
- Never roll or turn the body by force.
- When controlling the objective machine's speed, slowly open the needle of speed controller from the closed position.

GNSH-G

Elbow G-Thread







MODEL [ØD-T] Tube (Metric) - Thread(G) (mm)

CODE	MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	ØJ	K	X	Y	W.G(g)	Q´ty/Inbox
18010431	GNSH 04G01	4	G1/8	9	5	30	14.5	21.5	7.3	4	13	14.5	14	28.5	8.6	10.8	19.2	50
18010432	GNSH 04G02	4	G1/4	9	6	32.5	14.5	24	9	4	16	18	19	30.6	8.6	10.8	31.3	50
18010433	GNSH 04G03	4	G3/8	9	7	45.2	14.5	25.7	10.5	6.5	20	21	22.4	42.5	8.6	10.8	71.2	25
18010631	GNSH 06G01	6	G1/8	11.2	5	30	15.5	22.5	7.3	4	13	14.5	14	28.5	11	13	19.9	50
18010632	GNSH 06G02	6	G1/4	11.2	6	32.5	15.5	25	9	4	16	18	19	30.6	11	13	32.1	50
18010633	GNSH 06G03	6	G3/8	11.2	7	45.2	15.5	26.7	10.5	6.5	20	21	22.4	42.5	11	13	72	25
18010831	GNSH 08G01	8	G1/8	13.6	5	30	17.8	25.6	8	4	13	14.5	14	28.5	13	15	21.2	50
18010832	GNSH 08G02	8	G1/4	13.6	6	32.5	17.8	28.1	9	4	16	18	19	30.6	13	15	33.4	50
18010833	GNSH 08G03	8	G3/8	13.6	7	45.2	17.8	29.8	10.5	6.5	20	21	22.4	42.5	13	15	72.4	25
18010834	GNSH 08G04	8	G1/2	13.6	8.5	51.7	17.8	32.1	11	7	24	22	27	49	13	15	103.8	20
18011032	GNSH 10G02	10	G1/4	16.3	6	32.5	19.4	28.9	9.7	4	16	18	19	30.6	16	18.5	36.3	25
18011033	GNSH 10G03	10	G3/8	16.3	7	45.2	19.4	30.6	10.5	6.5	20	21	22.4	42.5	16	18.5	74.4	25
18011034	GNSH 10G04	10	G1/2	16.3	8.5	51.7	19.4	32.9	11	7	24	22	27	49	16	18.5	104.9	20
18011233	GNSH 12G03	12	G3/8	19.7	7	45.2	22.4	35.9	11.9	6.5	20	21	22.4	42.5	19.5	22.5	78.8	25
18011234	GNSH 12G04	12	G1/2	19.7	8.5	51.7	22.4	38.2	11.9	7	24	22	27	49	19.5	22.5	109.3	20