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

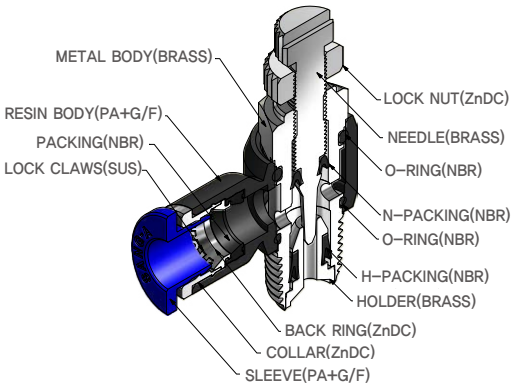
- Precisely permit the optimal rate of airflow for the smooth cylinder movement of driving devices.
- The compact and light body permits use in confined space.
- Uni-directional airflow is available for either exhaust or inlet flow control methods.
- The compact design provides a comparable range of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

Specification

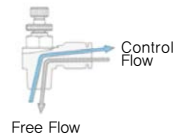
Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~284PSI	0~20Kgf/㎠(0~1960kPa)
Negative Pressure	7.5PSI	0.5gf/㎠(50kPa)
Temperature Range	32~176℉	0~80℃
Applicable Tube Material	Polyurethane and Nylon	



Structural Diagram

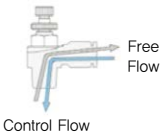


Case In Use



▶ 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.

GNSE-G

Elbow



MODEL [ØD-T] Tube (Metric)-Thread(G) (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
18020431	GNSE 04G01	4	G1/8	9	6.4	42.6	14.5	20.9	9.9	4	14	12.2	14.4	28.1	10.5	3.5	8.6	10.8	20.8	50
18020432	GNSE 04G02	4	G1/4	9	9	51.7	14.5	22.8	12.4	4	17	12	18.4	35.6	11.1	3.5	8.6	10.8	22	50
18020631	GNSE 06G01	6	G1/8	11.2	6.4	42.6	15.5	22	9.9	4	14	12.2	14.4	28.1	10.5	3.5	11	13	21.6	50
18020632	GNSE 06G02	6	G1/4	11.2	9	51.7	15.5	24	12.4	4	17	12	18.4	35.6	11.1	3.5	11	13	39.8	50
18020633	GNSE 06G03	6	G3/8	11.2	10.7	58.3	15.5	26	15.3	5	20	15.7	22	41.3	12	3.5	11	13	72.5	25
18020831	GNSE 08G01	8	G1/8	13.6	6.4	42.6	17.8	25.1	8.9	4	14	12.2	14.4	28.1	10.5	3.5	13	15	22.6	50
18020832	GNSE 08G02	8	G1/4	13.6	9	51.7	17.8	27.6	11.3	4	17	12	18.4	35.6	11.1	3.5	13	15	44.6	50
18020833	GNSE 08G03	8	G3/8	13.6	10.7	58.3	17.8	28.6	15.9	5	20	15.7	22	41.3	12	3.5	13	15	73.4	25
18020834	GNSE 08G04	8	G1/2	13.6	13	61.8	17.8	31.6	16.7	6	24	18	28	44.8	12	3.5	13	15	100.1	25
18021032	GNSE 10G02	10	G1/4	16.3	9	51.7	19.4	29.6	9.8	4	17	12	18.4	35.6	11.1	3.5	16	18.5	47.6	25
18021033	GNSE 10G03	10	G3/8	16.3	10.7	58.3	19.4	30	14.3	5	20	15.7	22	41.3	12	3.5	16	18.5	76.3	25
18021034	GNSE 10G04	10	G1/2	16.3	13	61.8	19.4	32.9	15.1	6	24	18	28	44.8	12	3.5	16	18.5	103.2	20
18021233	GNSE 12G03	12	G3/8	19.7	10.7	58.3	22.4	35.9	12.6	5	20	15.7	22	41.3	12	3.5	19.5	22.5	79.4	20
18021234	GNSE 12G04	12	G1/2	19.7	13	61.8	22.4	38.9	13.4	6	24	18	28	44.8	12	3.5	19.5	22.5	106.1	20

