

Metric Size G(PF) Thread Type

One -Touch Fittings

Compact One -Touch Fittings

— **Speed Controllers**

Metal Body Speed Controllers

Rotary Joints

Stop Fittings

Check Valves

Ball Valves

Hand Valves

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	0~150PSI	0~9Kgf/cm ² (0~900kPa)
Negative Pressure	7.5PSI	0.5Kgf/cm ² (50kPa)
Temperature Range	32~140° F	0~60° C
Applicable Tube Material	Polyurethane and Nylon	



Product Code System

NSE 08-GO2 O

① ② ③ ④

① Type

② Tube Dia(2D)

Code	03	04	06	08	10	12
Dia	33	24	26	28	310	312

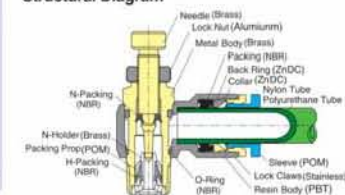
③ Thread Size(T)

	Metric Size		Taper Pipe Thread			
Code	M3	M5	G01	G02	G03	G04
Size	M3×0.5	M5×0.8	R1/8	R1/4	R3/8	R1/2

④ Control Method

Type	Meter out		Meter in	
	Standard Blue	Compact Black	Standard Red	Compact Red
Sleeve				
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" (P12) 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

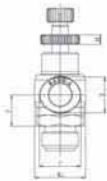
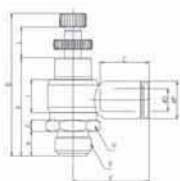
- Be sure to use after confirming structural diagram and control direction of each controller, otherwise fittings may result in damage.
- Never roll or turn the body by force.
- When controlling the objective machine's speed, slowly open the needle of speed controller from the closed position.

GNSE-G
Male Straight



MODEL[ØD-T] Tube(Metric)-Thread(G)

MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	ØJ	K	L	M	X	Y	W(g)	QTY/BOX
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
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
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
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
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
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
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
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
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
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
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
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
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
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

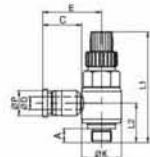


NSE-C
Mini Elbow



MODEL[ØD-T] Tube(Metric)-Thread(R)

MODEL	ØD	R	C	E	A	H	ØP	ØK	L1(Max)	L2	W(g)	QTY/BOX
NSE 03-M3C	3	M3	9.5	14	4	8	6.3	10	26.5	6.9	6.7	100
NSE 03-M5C	3	M5	9.5	14	4	8	6.3	10	2.5	6.4	8.1	100
NSE 04-M3C	4	M3	11.5	15.7	4	8	8	10	26.5	6.9	17.5	100
NSE 04-M5C	4	M5	11.5	15.7	4	8	8	10	26.5	6.4	34.7	100
NSE 04-Ø1C	4	R1/8	11.5	17.8	8	10	8	14	36	11.2	9.1	50
NSE 06-M3C	6	M3	12.5	16.4	4	8	10.4	10	26.5	6.9	18.2	100
NSE 06-M5C	6	M5	12.5	16.4	4	8	10.4	10	26.5	6.4	35.4	100
NSE 06-Ø1C	6	R1/8	12.5	18.2	8	10	10.4	14	36	11.2	63.9	50
NSE 06-Ø2C	6	R1/4	12.5	20.1	11	14	10.4	18	41.5	11.2	19.1	50



MODEL[ØD-T] Tube(Metric)-Thread(R)

MODEL	ØD	ØP	A	B	C	E	F	G	I	J	L	M	Ød	X	Y	W(g)	QTY/BOX
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	11.54	50
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	27.61	25
GNSF 08	8	13.6	18	53	17.8	46.2	9.5	12	30	22	10.2	3.5	4.2	13	15	40.37	25
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	66.35	20
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	110.59	12

GNSF
Union Straight

