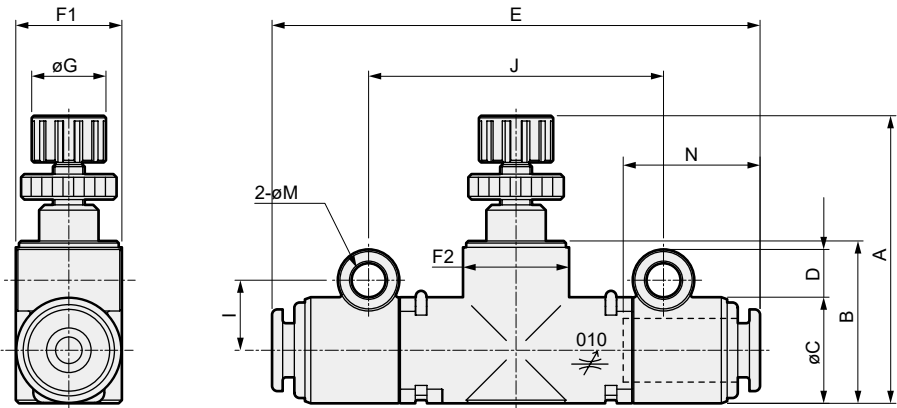


Dimensions

● SCL2-N Series



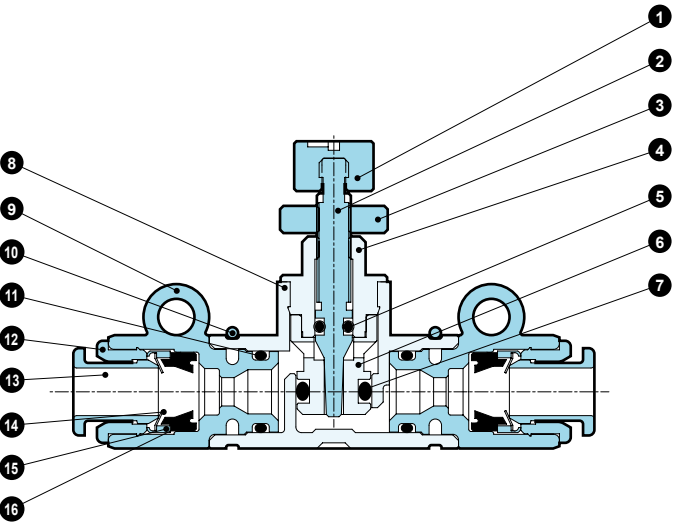
Model No.	Connecting tube O.D.	A		B	C	D	E	F1	F2	G	I	J	K	L	M (Mounting hole diameter)	N (Tube insertion length)
		MIN	MAX													
SCL2-N-04-H44	ø4	27.1	31.6	15.3	10	4.5	46	10	10.6	7	6.6	27.8	10 x n + 3.2	2.9	3.3	12.9
SCL2-N-06-H66	ø6	28.8	33.3	17.7	12	5.6	49.4	12	12.2	7	8.1	30.8	12 x n + 4.2	3.5	4.3	13.7
SCL2-N-08-H66	ø6	38	44.5	22.9	15	5.6	64	15	15.5	11	9.5	41	15 x n + 4	3.8		18
SCL2-N-08-H88	ø8						66.5									19

Note) F1 and F2 dimensions are elliptical.

* Can be distinguished from speed controller by the color of the knob.
Speed Controller Knob "White"
Needle Valve Knob "Gray"

* In option "P80 (Oil-free specification)", the color of the push ring of the fitting becomes blue.

Internal structure and parts list



Part No.	Part Name	Material
1	Knob	Polybutylene terephthalate
2	Needle	Brass
3	Lock nut	Brass
4	Guide Ring	Brass
5	O-ring	Nitrile Rubber
6	Check fitting	Brass
7	O-ring	Nitrile rubber
8	Body	Polybutylene terephthalate
9	Joint case	Polybutylene terephthalate
10	Stopper ring	Stainless steel
11	O-ring	Nitrile Rubber
12	Outer Ring	Brass
13	Push Ring	Polybutylene terephthalate or Polyacetal
14	Chuck	Stainless steel
15	Holder	Brass or Polyethersulfone
16	Packing	Nitrile rubber (Hydrogenated nitrile rubber) *1

*1 () is when P80 is selected
*2 All brass parts are electroless nickel plated



Pneumatic Components (Speed Controller)
To Use This Product Safely

Be sure to read this before use.
Refer to Intro 27 for general pneumatic components precautions.

Individual Precautions : Speed Controller In-line Type SCL2/SCD2 Series

Design / Selection

- CAUTION**
- Do not use this valve in circuits where ozone is generated intentionally.
The check packing has sufficient ozone resistance against naturally occurring ozone in compressed air, but the check packing deteriorates against high concentrations of ozone.
 - Note that not all of the resin parts of the needle valve are flame-resistant.
 - The flow path in the needle valve is not completely free of dust generation. A final clean filter should be used in circuits where dust generation could be a problem.
 - This valve cannot be used as a stop valve that requires no leakage. A certain amount of leakage is allowed due to the product specifications.

For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Components Product Site (<https://www.ckd.co.jp/kiki/en/>) → 'model No.' → [Instruction Manual](#).