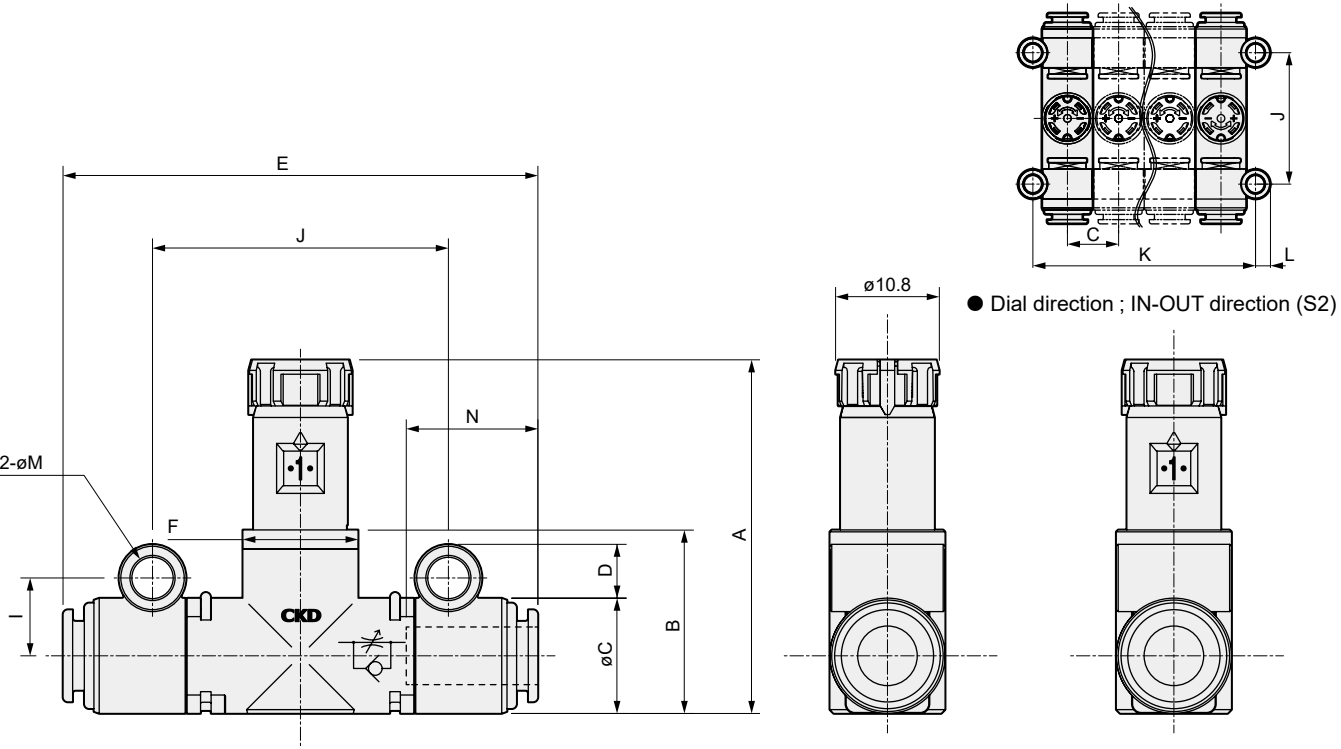


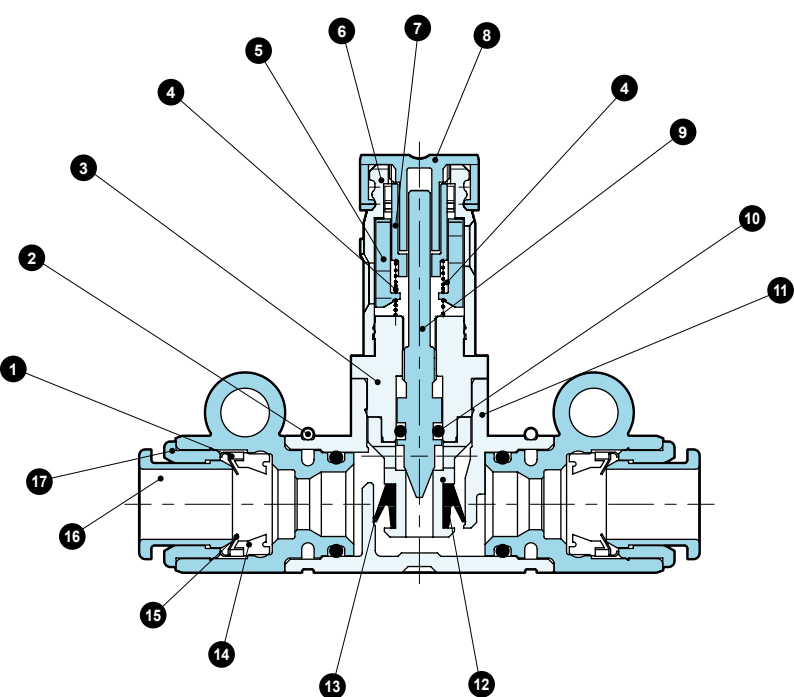
Dimensions

- Dial direction ; Side (S1)
- Mounting pitch dimensions when manifolded



Model No.	Connecting tube Outer Diameter	A		B	C	D	E	F	I	J	K	L	M (Mounting hole diameter)	N (Tube insertion length)			
		When locked	Adjusting														
DSC-S□-06-H44	ø4	36.8	38.3	19.1	12	5.6	54.6	12	8.1	30.8	12 x n + 4.2	3.5	4.3	12.9			
DSC-S□-06-H66	ø6						49.4							13.7			
DSC-S□-08-H66	ø6	41.9	43.4	24.2	15	5.6	63.1	15	9.5	40.8	15 x n + 4	3.6		18			
DSC-S□-08-H88	ø8						66.3							19			
DSC-S□-10-H88	ø8	48.4	49.9	30.7	20	5.1	70.8	19.4	11.5	47	20 x n + 3	19					
DSC-S□-10-H1010	ø10						75.4							21			
DSC-S□-10-H1212	ø12														79.6	20.4 x n + 3	22

Internal structure and parts list



Part No.	Part Name	Material
1	Holder	Brass or Polyethersulfone
2	Stopper ring	Stainless steel
3	Needle guide	Brass
4	Spring	Stainless steel
5	Display ring	Polybutylene terephthalate
6	Gear cover	Polybutylene terephthalate
7	Slide gear	Polybutylene terephthalate
8	Knob	Polyacetal
9	Needle	Stainless steel
10	O-ring	Nitrile rubber
11	Body	Polybutylene terephthalate
12	Check fitting	Brass
13	Packing	Special nitrile rubber
14	Packing	Nitrile rubber
15	Chuck	Stainless steel
16	Push Ring	Polybutylene terephthalate
17	Outer Ring	Brass

Note) All brass parts are electroless nickel plated



Pneumatic Components (Speed Controller)
To Use This Product Safely

Be sure to read this before use.
For general pneumatic component precautions, see Intro 27 for details.

Individual Precautions : Speed Controller with Dial DSC Series

Design / Selection



WARNING

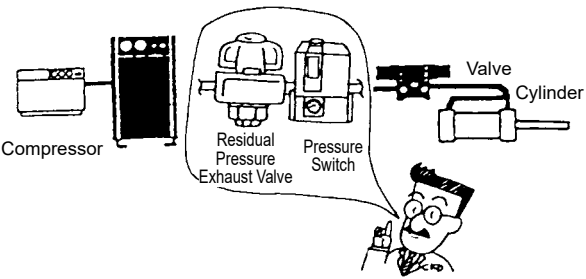
- Do not constantly push down or apply a load onto the push ring for the push-in fitting.
 - The tube may lose its holding capacity.
 - When transporting an assembled product, do not keep the push ring pressed down.



Caution

- 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.
- Please note that the flow rate varies from the flow characteristic values on P. 890, P. 895 depending on the upstream and downstream piping conditions and temperature changes.
- Do not use this valve in circuits where ozone is generated intentionally.
It has sufficient ozone resistance against naturally occurring ozone in compressed air, but packing deteriorates against high concentrations of ozone.
- This product is for compressed air. Do not use with other fluids.
- Use the product within its specific specification range. Please consult us for use outside the specifications or for special applications.
 - Use of the product outside the specifications range may result in insufficient performance, and its safety cannot be guaranteed.
 - This product may not be usable in special applications and environments. For example, nuclear power, railways, aviation, vehicles, medical equipment, equipment in direct contact with beverages or food, entertainment equipment, emergency shut-off circuits, press machines, brake circuits, safety measures, etc. where safety is required.
- Confirm that the product can withstand the operating environment before use.
 - Cannot be used in environments that cause functional impairment. For example, special environments with high temperature, chemical atmosphere, chemicals, vibration, humidity, water droplets, gas atmosphere, etc. Ozone generating environments.
 - Do not use the product in a place where it could directly contact cutting oil, coolant or spatter, etc.

- Design pneumatic circuits understanding the characteristics of compressed air.
 - If instantaneous stop holding is required during an emergency stop, functions equivalent to mechanical, hydraulic, or electrical systems cannot be expected.
 - Due to the compressibility and expandability characteristics of air, phenomena such as ejection, jetting, and leakage can occur.
- Install a "pressure switch" and "residual pressure exhaust valve" on the device's compressed air supply side.
 - The pressure switch prevents operation if the set pressure is not reached. The residual pressure exhaust valve discharges the compressed air remaining in the pneumatic circuit and prevents accidents due to the operation of pneumatic equipment due to residual pressure.



- Confirm that PTFE can be used.
PTFE (Polytetrafluoroethylene resin) powder is used for the sealant. Please confirm if there are any problems in use.
- Clearly state the maintenance conditions in the equipment's instruction manual.
 - Depending on the usage conditions, operating environment, and maintenance, the product's functionality may significantly deteriorate, and safety may not be ensured. Proper maintenance allows the product to fully demonstrate its functions.
- Consult with CKD if ozone is generated in the supplied air.
- Rubber parts deteriorate and service life is shortened if ultra dry air is used.

For notes on mounting, installation, adjustment, use, and maintenance, CKD Components Product Site (<https://www.ckd.co.jp/kiki/en/>) → "Model No." → Instruction Manual.