

## Speed Controller with Adjusting Dial Inline DSC-S Series



**An inline type is added to the speed controller featuring a dial with linear flow characteristics**

### Specifications

Descriptions		DSC-S□-06		DSC-S□-08		DSC-S□-10		
Compatible tube O.D.	mm	ø4	ø6	ø6	ø8	ø8	ø10	ø12
Working fluid		Compressed air						
Max. working pressure	MPa	1.0						
Min. working pressure	MPa	0.1						
Proof pressure	MPa	1.5						
Fluid temperature	°C	5 to 60 (no freezing)						
Ambient temperature	°C	0 to 60 (no freezing)						
Needle control range		1 to 7 rotations						
Weight	g	24	18	30	31	52	57	60
Free flow	Flow rate L/min (ANR)	170	300	400	550	900	1100	1200
	Effective cross-sectional area mm <sup>2</sup>	2.5	4.5	6	8	13.5	16.5	18
Controlled flow	Flow rate L/min (ANR)	160	200	360	400	720	785	790
	Effective cross-sectional area mm <sup>2</sup>	2.4	3	5	6	10.5	12	12

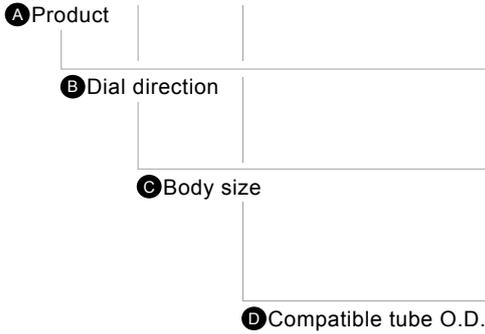
\*1: Flow rate is the atmospheric pressure conversion at 0.5 MPa.

\*2: Freezing could occur by adiabatic expansion depending on air quality (dew point).

# DSC-S Series

## How to order

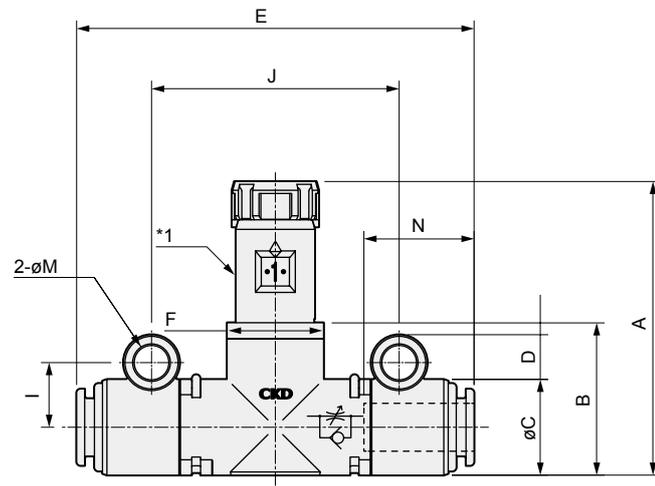
**DSC -S 1 - 06 - H66**



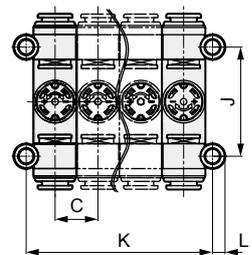
Code	Content
<b>A Product</b>	
-S	Inline
<b>B Dial direction</b>	
1	Side
2	IN/OUT direction
<b>C Body size</b>	
06	1/8 thread equivalent
08	1/4 thread equivalent
10	3/8 thread equivalent
<b>D Compatible tube O.D.</b>	
H44	ø4
H66	ø6
H88	ø8
H1010	ø10
H1212	ø12

## Dimensions

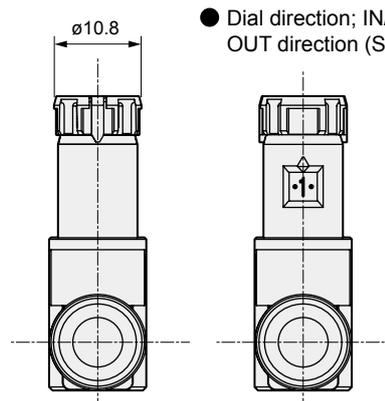
● Dial direction; side (S1)



● Mounting pitch dimension for manifold



● Dial direction; IN/OUT direction (S2)



Model No.	Connection tube O.D.	A		B	C	D	E	F	I	J	K	L	M (Mounting hole diameter)	N (Tube insert length)
		When locked	During adjustment											
DSC-S□-06-H44	ø4	36.8	38.3	19.1	12	5.6	55	12	8.1	30.8	12 × 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	64	15	9.5	41	15 × n + 4	3.6	4.3	18
DSC-S□-08-H88	ø8						66.5							19
DSC-S□-10-H88	ø8	48.4	49.9	30.7	20	5.1	71	19.4	11.5	47	20 × n + 3	3.6	4.3	19
DSC-S□-10-H1010	ø10						75							21
DSC-S□-10-H1212	ø12						20.4	4.9	79				20.4 × n + 3	

### ⚠ Safety precautions

\*1: Do not apply rotation torque to the dial display. This may result in distorted flow characteristics or malfunctions.

\*2: For other precautions, refer to "Speed controller with adjusting dial DSC Series (Catalog No. CC-1021A)".

If the goods and/or their replicas, the technology and/or software found in this catalog are to be exported, law requires that the exporter makes sure that they will never be used for the development and/or manufacture of weapons for mass destruction.

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● Specifications are subject to change without notice.

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