

Speed controller Line type with push-in fitting

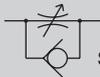
# SCL2 Series

In/out speed controller Inline with push-in fitting

# SCD2 Series

● Port size:  $\varnothing 4/\varnothing 6/\varnothing 8/\varnothing 10$  (SCL2 only)

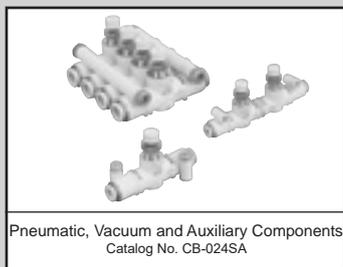
JIS symbol



SCL2 Series



SCD2 Series



Pneumatic, Vacuum and Auxiliary Components  
Catalog No. CB-024SA

## Specifications

● Speed controller Line type SCL2

Model No.		SCL2-04	SCL2-06	SCL2-08	SCL2-10
Compatible tube O.D.	mm	$\varnothing 4$	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
Working fluid		Compressed air			
Max. working pressure	MPa	1.0			
Min. working pressure	MPa	0.1			
Proof pressure	MPa	1.5			
Fluid temperature	$^{\circ}\text{C}$	5 to 60 (no freezing. *3)			
Ambient temperature	$^{\circ}\text{C}$	0 to 60 (no freezing)			
Weight	g	11.5	16	33	57
Dial value (needle position)		12 [15]			
Free flow	Flow rate $\ell/\text{min}$ (ANR)	130	300	550	1100
	Effective cross-sectional area $\text{mm}^2$	1.9	4.5	8	16.5
Controlled flow	Flow rate $\ell/\text{min}$ (ANR)	130 [13]	300 [13]	550	1100
	Effective cross-sectional area $\text{mm}^2$	1.9 [0.2]	4.5 [0.2]	8	16.5

● In/out speed controller Inline SCD2

Model No.		SCD2-04	SCD2-06	SCD2-08
Compatible tube O.D.	mm	$\varnothing 4$	$\varnothing 6$	$\varnothing 8$
Working fluid		Compressed air		
Max. working pressure	MPa	1.0		
Min. working pressure	MPa	0.1		
Proof pressure	MPa	1.5		
Fluid temperature	$^{\circ}\text{C}$	5 to 60 (no freezing. *3)		
Ambient temperature	$^{\circ}\text{C}$	0 to 60 (no freezing)		
Weight	g	21.5	29	64
Dial value (needle position)		12 [15]		
Flow rate	$\ell/\text{min}$ (ANR)	100 [13]	250 [13]	400
Effective cross-sectional area	$\text{mm}^2$	1.5 [0.2]	3.7 [0.2]	6

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

\*2: Values in [ ] indicate fine speed.

\*3: Freezing may occur due to adiabatic expansion depending on the air quality (dew point).

### Compatibility table by variation

	SCL2/SCD2
Port size	ø4, ø6, ø8, ø10
P4	●

●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details. □: Not applicable

### How to order

- Speed controller Line type

**SCL2 - 04 - H44 - P4**

- In/out speed controller Inline

**SCD2 - 04 - H44 - P4**

Model No.

**A** Body size

**B** Compatible tube O.D.

Body size and compatible tube Combination of O.D. and flow characteristics refer to the table at right.

Code	Description
<b>A Body size</b>	
04	M5 thread equivalent
06	1/8 thread equivalent
08	1/4 thread equivalent
10	3/8 thread equivalent *SCL2 only
<b>B Compatible tube O.D.</b>	
H44	ø4
H66	ø6
H88	ø8
H1010	ø10*SCL2 only

Body size and compatible tube O.D., Flow characteristics combination

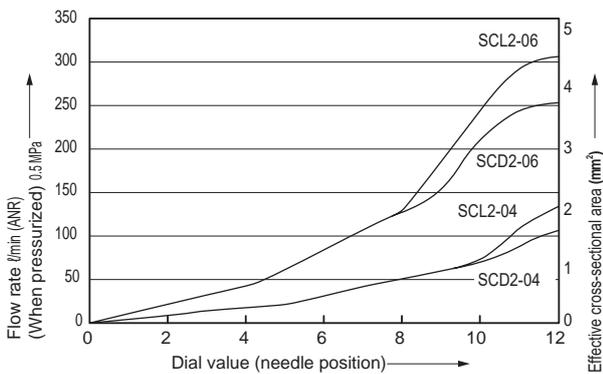
		<b>A Body size</b>			
		04	06	08	10
<b>B Compatible tube O.D.</b>	H44	●	□	□	□
	H66	□	●	□	□
	H88	□	□	●	□
	H1010	□	□	□	●
					● SCL2 only

□ Not available

### Flow characteristics

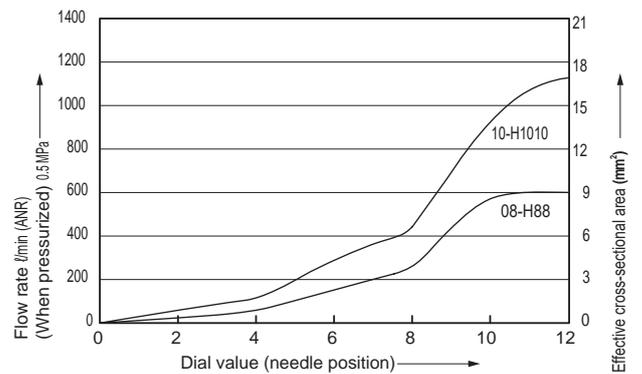
- Standard

SCL2-04, SCL2-06, SCD2-04, SCD2-06



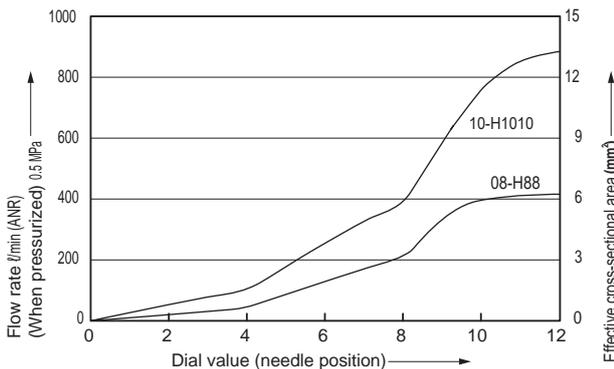
- Standard

SCL2-08, SCL2-10



- Standard

SCD2-08, SCD2-10



**P4**  
Series

Pneumatic actuator  
Pneumatic cylinders  
Hand/Chuck  
Related products  
Cylinder Switch

Vacuum components  
Pneumatic valves

Clean air components  
Speed controller

Pneumatic auxiliary components  
Fitting  
Auxiliary valve  
Silencer  
Tube

Gas generator  
Fluid control components

Electric actuator  
Motor specification  
Motorless specifications