

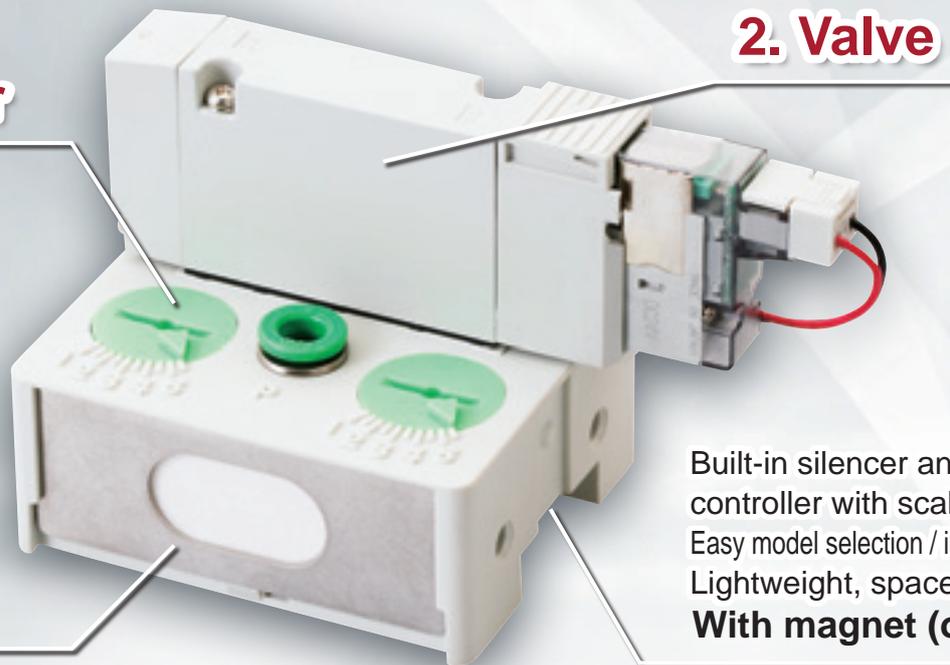
Easy Piping with 3 Integrated Functions

Easy to select and install.

1. Speed controller

2. Valve

3. Silencer



Built-in silencer and speed controller with scale.
Easy model selection / installation.
Lightweight, space saving.
With magnet (option)

Reduces operation speed adjustment processes

- Numerical control with 10-level scale



* The adjusting range is a 10-step latch type.

Lightweight

61%
Less weight

Prosthetic selection / Reduced assembly processes

- Silencer
- Speed controller
- Fitting

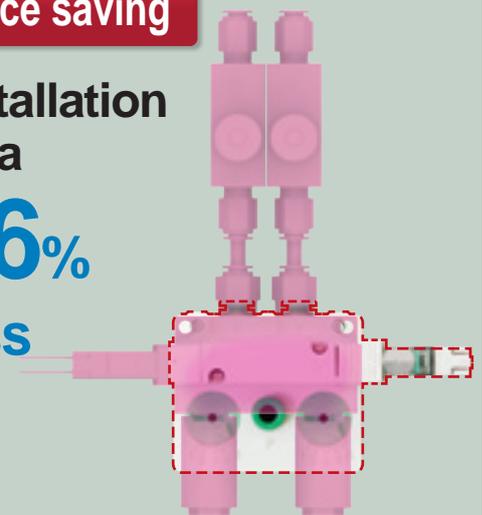


Selection not required
No purchase required
No assembly work required

Space saving

Installation area

66%
less



4GR unit valve

4GR unit valve

Specifications

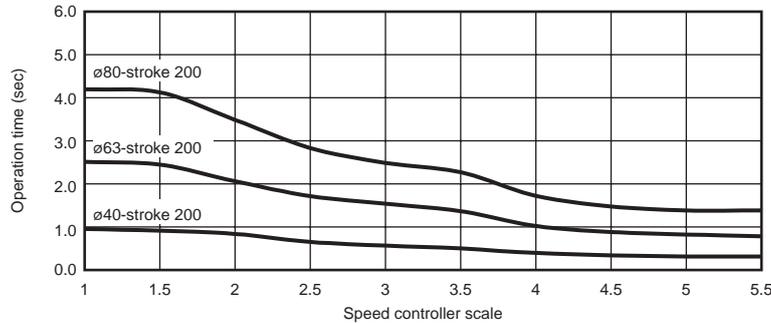
Item	Description
Valve and operation	Pilot operated soft spool valve
Working fluid	Compressed air
Max. working pressure MPa	0.7
Min. working pressure MPa	0.2
Proof pressure MPa	1.05
Ambient temperature °C	- 5 to 55 (no freezing)
Fluid temperature °C	5to 55
Manual override	Non-locking/locking common (standard)
Lubrication Note1	Built-in controller eliminates need for controller installation space and wiring.
Degree of protection Note 2	Dust-proof
Vibration resistance m/s ²	50or less
Shock resistance m/s ²	300or less
Atmosphere	Cannot be used in corrosive gas environments
Weight Note3 g	180

*1: Use turbine oil Class 1 ISO VG32 for lubrication. Excessive or intermittent lubrication results in unstable operation.

*2: Avoid dripping water or oil, etc., during use.

*3: For 4GE210R-H6-E2-FL639941-3.

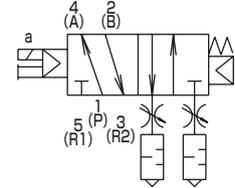
Cylinder operation time



Conditions
SCA2, no load, vertical,
Piping tube ø6-1m
0.5 MPa

*: The cylinder operation time is the data of CKD tests, and does not indicate the performance warranty range.

Circuit diagram code
(Representative
example:4GE210R)



How to order

4GE2 1 0R - H6 - E2 - FL639941 - 3

Model No. **A** Solenoid position

B Port size(P/A/Bport)

C Electrical connections

D Option

E Voltage

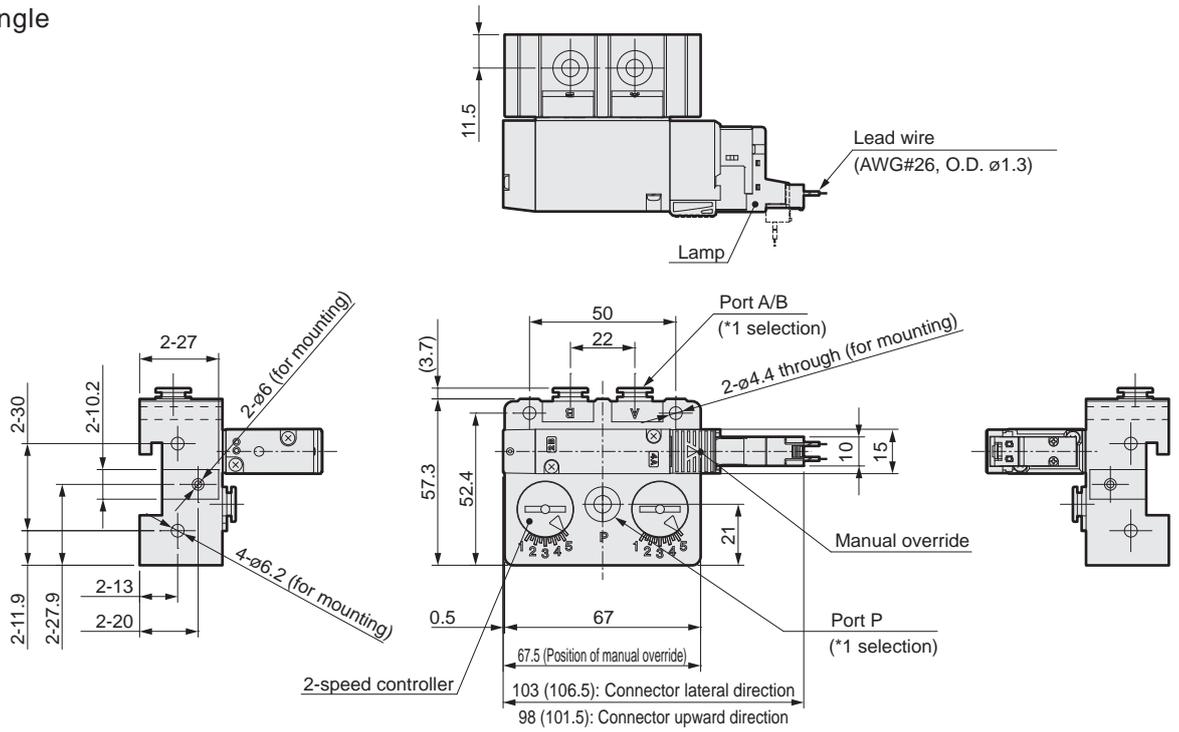
Code	Description
A Solenoid position	
1	2 Position single
2	2 Position double
3	3 Position all ports closed
4	3 Position ABR Connection
5	3 Position PAB Connection
B Port size (P/A/B port)	
H6	ø6 Push-in fitting
H8	ø8 Push-in fitting
HL6	ø6 Elbow fitting
HL8	ø8 Elbow fitting
C Electrical connections	
EConnector (upward //lateral direction common)	
E2	Lead wire(300 mm) with surge suppressor and indicator lamp
E20	Lead wire(500 mm)
E21	Lead wire(1000 mm)
E22	Lead wire(2000 mm)
E23	Lead wire(3000 mm)
D Option	
Blank	Manual override of non-locking/locking common
P2	With magnet (for temporary fixing when installed)
E Voltage	
1	100 VAC(rectifier integrated)
3	24 VDC
4	12 VDC

Precautions for model No. selection

Note: Electrical connections E Models other than are also compatible. Contact your CKD Sales representative for other specification / options. (Related catalog No.CC-1087A)

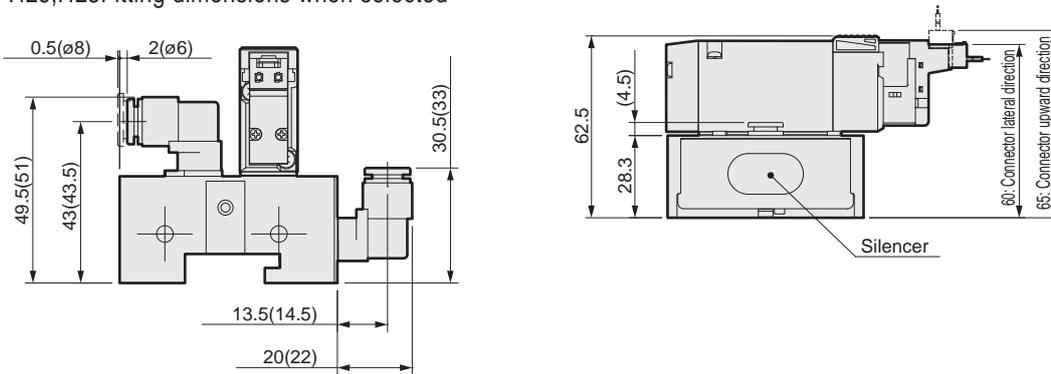
Dimensions

● 2 position single



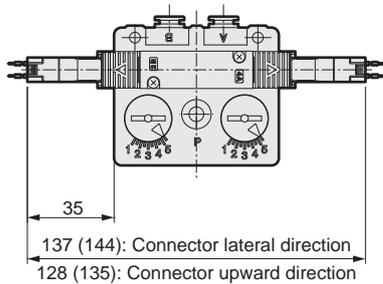
*() applies when 100 VAC is selected.

● HL6,HL8Fitting dimensions when selected

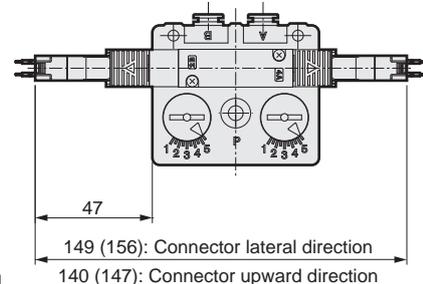


*() applies when HL8 is selected

● 2-position double

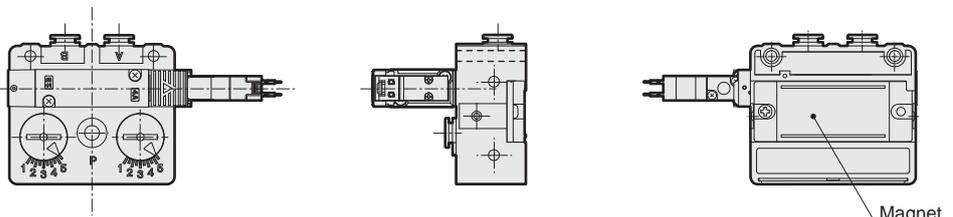


● 3-position



*():100 VACWhen selected

● Option with magnet



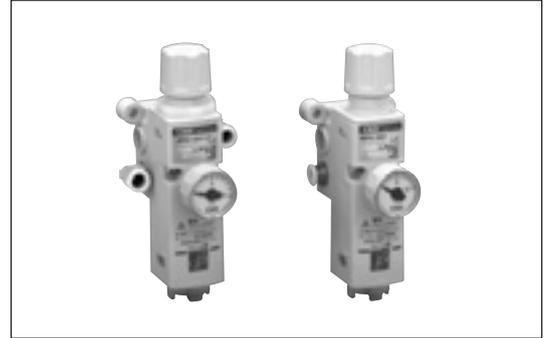
*: For temporary fixing when installing.

Related products

Compact filter/regulator WB500 Series

- Compact
Push-in fitting / mounting bracket is integrated to reduce total pace.
- Lightweight
Resin is used in body material to reduce weight.
- Increased workability
Push-in fitting is provided as standard. The piping direction can be selected from straight or elbow. Plumbing is easy.

CatalogNo. CB-024SA



Compact regulator RB500Series

- Downsizing considering piping space
- Improved corrosion resistance through use of resin
- Increased workability
Push-in fitting is provided as standard. The piping direction can be selected from straight or elbow. Plumbing is easy.

CatalogNo. CB-024SA



Quick valve 2QV/3QV Series

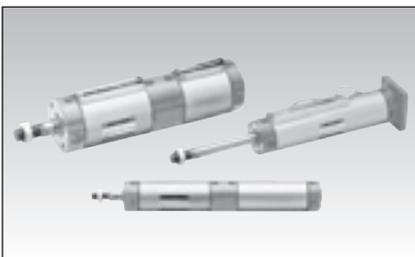
Straight flow path and large effective sectional area. Flame-resistant resin has been adopted as a standard material. (UL94 Standards V-0 equivalent) Manifold enabled by optional bracket. 2- and 3-port valves are available.

CatalogNo. CB-024SA



Round shaped cylinder SCM Series

Catalog No.CB-029SA



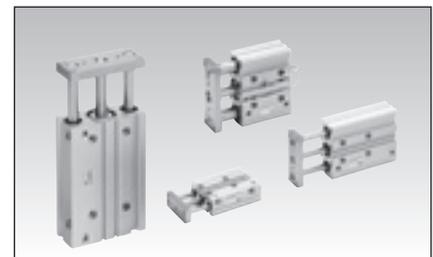
Compact cylinder SSD2 Series

Catalog No.CB-029SA



Guided cylinder STG Series

Catalog No.CB-029SA



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

CKD Corporation

[Website]

<https://www.ckd.co.jp/en/>

Head Office / Plant
Tokyo Office

Osaka Office

2-250, Uji, Komaki, Aichi 485-8551
4F, Bunkahousou Media Plus, 1-31-1, Hamamatsu-cho,
Minato-ku, Tokyo 105-0013
6F, PMO EX Shin-Osaka, 4-2-10 Miyahara,
Yodogawa-ku, Osaka 532-0003

TEL(0568)77-1111 FAX(0568)77-1123
TEL(03)5402-3620 FAX(03)5402-0120

TEL(06)6152-9415 FAX(06)4866-5391