CKD

New Products

Weir Diaphragm Valve
SWD-T Series

Produced with Craftsmanship

Contributes to the automation of flow rate adjustment that has traditionally been done with a manual valve.

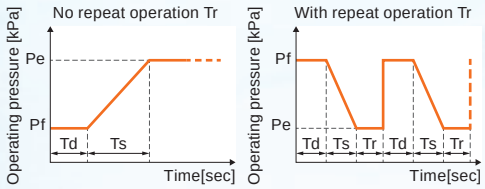
Electro pneumatic regulator **SWD-EVD** + Weir diaphragm valve SWD-C Series

Preset function

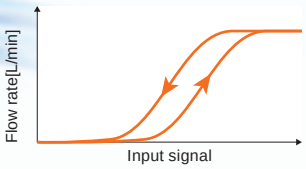
Register any parameters in the preset memory. (Max. 6 patterns)
Can be called up using an external signal.

[Parameters that can be input]

- Pressure: Pf (initial pressure), Pe (ultimate pressure)
- Time parameter:
  Td (delay time), Ts (sweep time), Tr (repeat time)

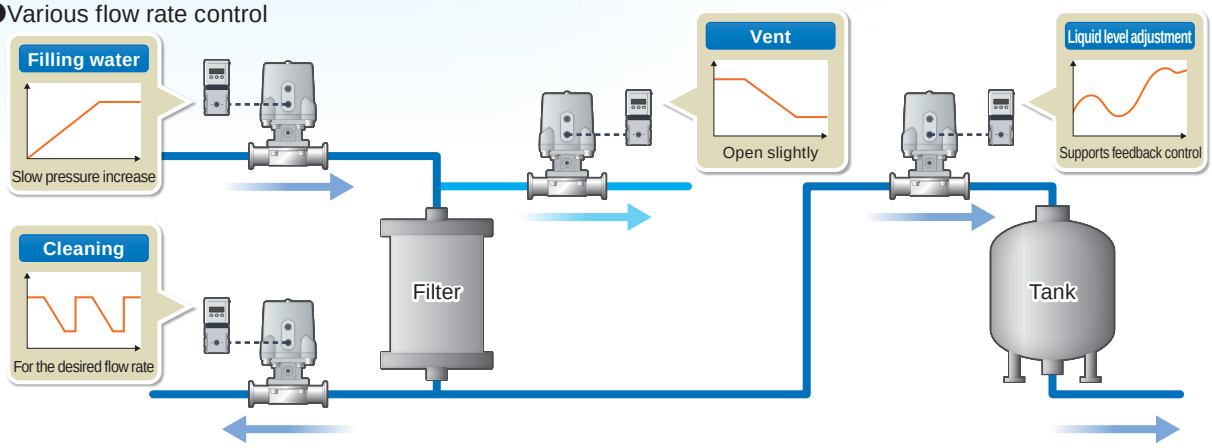


Supports flow rate proportional control with analog input signal



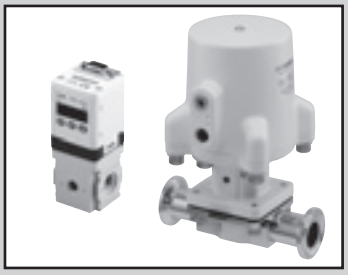
Examples of applications

●Various flow rate control



CKD Corporation

CC-1451A



Weir diaphragm valve　Flow rate control type

SWD-T Series

●Connection: ISO ferrule

Specifications

* Refer to pages 2 to 4 for the Discrete valve (SWD-C) specifications.
* Refer to pages 5 to 7 for specifications of the Discrete electro-pneumatic regulator (SWD-EVD).

How to order

SWD 1 1 - 8 - F T - 0 AN - C1B1

Model No.

Ⓐ Valve series

Ⓑ Valve actuation

Ⓒ Valve port size

Ⓓ Valve material combination

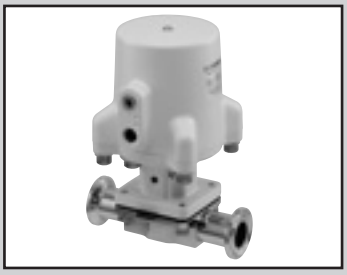
Ⓔ Valve option

Ⓕ Electro-pneumatic regulator input specifications

Ⓖ Electro-pneumatic regulator output specifications

Ⓗ Electro-pneumatic regulator option

Code	Item	SWD1	SWD2	SWD3	SWD4
Ⓐ Valve series					
1	Size 1	●			
2	Size 2		●		
3	Size 3			●	
4	Size 4				●
Ⓑ Valve actuation					
1	NC (normally closed)	●	●	●	●
2	NO (normally open)	●	●	●	●
Ⓒ Valve port size					
8	Clamp fitting 8A	●			
10	Clamp fitting 10A	●			
15	Clamp fitting 15A		●		
25	Clamp fitting 25A (1S)			●	
40	Clamp fitting 40A (1.5S)				●
Ⓓ Valve material combination					
F	Actuator: ADC12 / Diaphragm: PTFE/EPDM / Body: SUS316L	●	●	●	●
Ⓔ Valve option					
T	Valve: Flow rate control type (SWD-C) Electro-pneumatic regulator set for control	●	●	●	●
Ⓕ Electro-pneumatic regulator Input specification					
0	0-10 VDC	●	●	●	●
1	0-5 VDC	●	●	●	●
2	4-20 mA DC	●	●	●	●
Ⓖ Electro-pneumatic regulator output specifications					
AN	1 to 5 V analog, error (NPN)	●	●	●	●
AP	1 to 5 V analog, error (PNP)	●	●	●	●
Ⓗ Electro-pneumatic regulator option					
Cable option					
Blank	None	●	●	●	●
C1	Cable 1 m	●	●	●	●
C3	Cable 3 m	●	●	●	●
Bracket option					
Blank	None	●	●	●	●
B1	B-bracket, floor mounted	●	●	●	●
L11	L-bracket, wall mounted	●	●	●	●



Weir diaphragm valve Flow rate control type

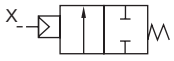
SWD-C Series

●Connection: ISO ferrule

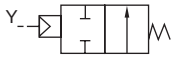
RoHS CAD

JIS symbol

● NC (normally closed)



● NO (normally open)



Specifications

Item			SWD*1	SWD*2
Actuation			NC	NO
Working fluid			Water, pure water, chemical liquids (fluids that do not corrode wetted part materials)	
Working pressure		MPa	0 to 0.6	
Proof pressure (water pressure)		MPa	2.0	
Fluid temperature		°C	5 to 90 (during steam sterilization 130°C, allowable for 20 minutes or less)	
Ambient temperature		°C	0 to 60	
Frequency		cycles/min.	20	
Valve seat leakage		cm^3/min	0 (water pressure)	
Mounting orientation			Unrestricted (*2)	
Operating port			Rc1/8	
Operating fluid			Air	
Operating pressure (*1)		SWD1*-8	0.35 to 0.7	0.25 to 0.35
		SWD1*-10		
		SWD2*-15		
		SWD3*-25	0.4 to 0.7	0.3 to 0.35
	MPa	SWD4*-40		0.35 to 0.4
Cv		SWD1*-8	2.3	
		SWD1*-10	2.6	
		SWD2*-15	4.5	
		SWD3*-25	13	
		SWD4*-40	27	

*1: The above values are the pressure range for fully open or fully closed. The pressure range for flow rate control is less than the min. pressure. For details, refer to the technical data (flow rate characteristics) on our website.

*2: When using horizontal piping, liquid accumulation in the valve can be minimized by piping at the angles described on page 10.

How to order

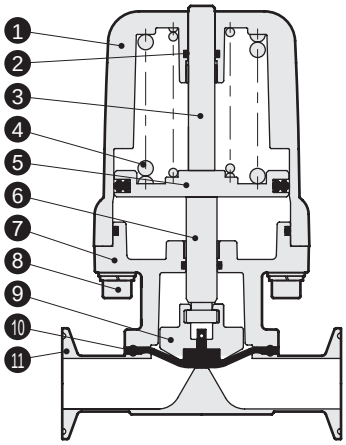
SWD 1 1 - 8 - F C

Model No. Ⓐ Series

ⒷActuationⒸ Port sizeⒹMaterial combinationⒺValve option

Code	Item	SWD1	SWD2	SWD3	SWD4
Ⓐ **Series**					
1	Size 1	●			
2	Size 2		●		
3	Size 3			●	
4	Size 4				●
Ⓑ **Actuation**					
1	NC (normally closed)	●	●	●	●
2	NO (normally open)	●	●	●	●
Ⓒ **Port size**					
8	Clamp fitting 8A	●			
10	Clamp fitting 10A	●			
15	Clamp fitting 15A		●		
25	Clamp fitting 25A (1S)			●	
40	Clamp fitting 40A (1.5S)				●
Ⓓ **Material combination**					
F	Actuator: ADC12 / Diaphragm: PTFE/EPDM / Body: SUS316L	●	●	●	●
Ⓔ **Valve option**					
C	Flow rate control type	●	●	●	●

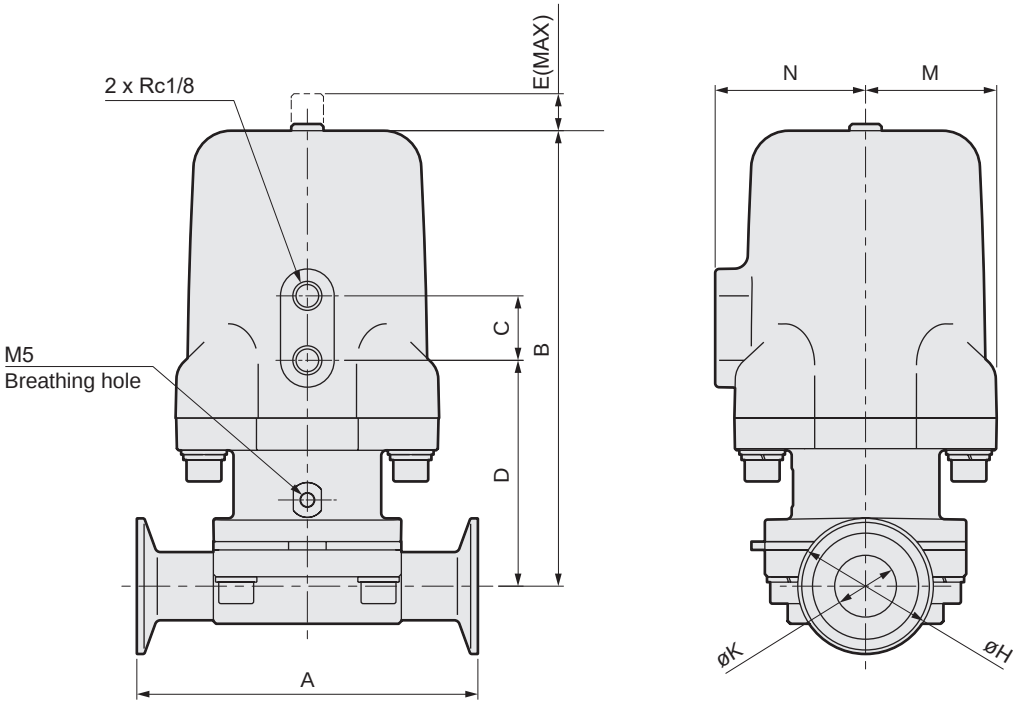
Internal structure and parts list



No.	Part name	Material	
1	Cylinder guard	ADC12	Aluminum die-casting
2	O-ring	FKM	Fluoro rubber
3	Indicator	SUS304	Stainless steel
4	Spring	SUS304 (or SWP)	Stainless steel (or piano wire)
5	Piston	A2017	Aluminum
6	Piston rod	SUS304	Stainless steel
7	Rod cover, yoke	ADC12	Aluminum die-casting
8	Hexagon socket head cap screw	SUS304, SUSXM7	Stainless steel
9	Compressor	SCS13	Stainless steel
10	Diaphragm	PTFE, EPDM, SUS303, SUS304	Fluoro resin, ethylene propylene rubber, stainless steel
11	Body	SUS316L	Stainless steel

*Refer to page 4 for consumable parts. Wetted parts material is PTFE (diaphragm) and SUS316L (body).

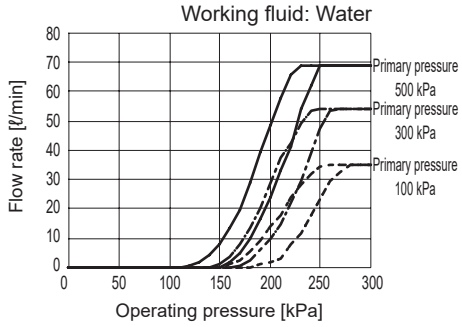
Dimensions



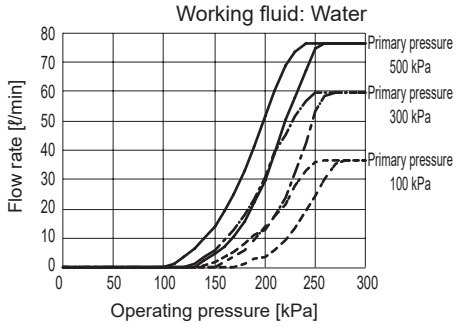
Model No.	A	B	C	D	E	H	K	M	N	Weight [kg]	
										NC	NO
SWD1*8-FC	90	99.5	22	60	7	34	10.5	32	40	0.6	
SWD1*-10-FC	90	101	22	61.5	7	34	14	32	40	0.6	
SWD2*-15-FC	108	130	22	73	8.5	34	17.5	38	46.5	1.2	
SWD3*-25-FC	127	170	24	84	12.5	50.5	23	49	56	2.7	2.3
SWD4*-40-FC	159	212	28	97	16.5	50.5	35.7	57	66	5.1	4.1

Flow characteristics

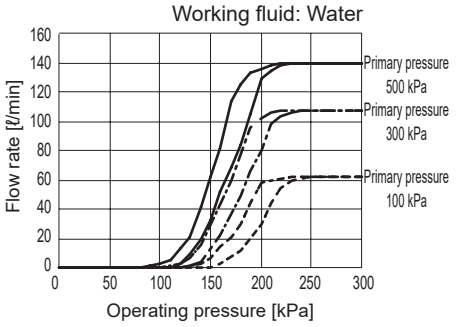
●SWD11-8-FC



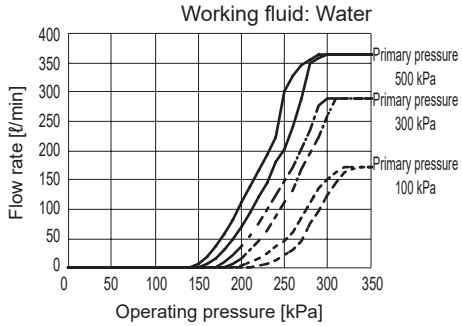
●SWD11-10-FC



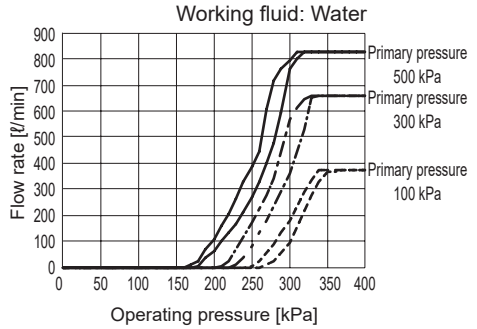
●SWD21-15-FC



●SWD31-25-FC



●SWD41-40-FC



Nonete:The product performance varies and may fluctuate due to the working fluid, temperature, etc., and so consider this as being a reference value. Detailed characteristics data will be posted in the technical data on our website.

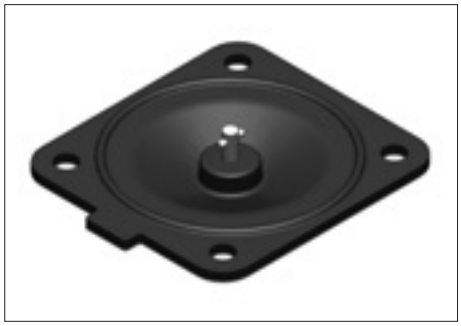
How to order repair parts

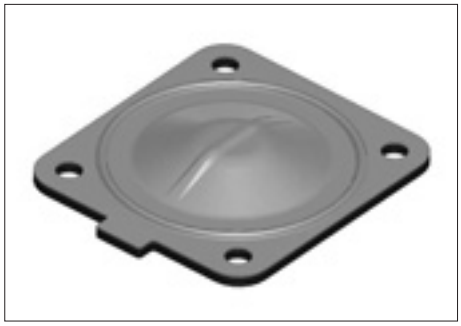
SWD - 1 PE C

Ⓐ Series

Ⓑ Option

Code	Item
Ⓐ Series	
1	Size 1
2	Size 2
3	Size 3
4	Size 4
Ⓑ Option	
Blank	Standard
C	Flow rate control type

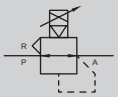




Electro-pneumatic regulator for SWD-C

SWD-EVD Series

JIS symbol



Item		SWD-EVD□
Actuation *1		NO
Working fluid		Clean compressed air (JIS B 8392-1: 2012(ISO 8573-1: 2010)[1:3:2]or equiv.)
Max. working pressure		700 kPa
Min. working pressure		Set pressure +100kPa
Proof pressure	Inlet	1050 kPa
	Output side	750 kPa
Pressure control range *2		0 to 500 kPa
Power supply voltage		24 VDC±10% (power supply with ripple rate 1% or less)
Current consumption		0.18 A or less (0.6 A or less rush current when the power is turned ON)
Input signal (input impedance)		0 to 10 VDC (6.7kΩ)
		0 to 5 VDC (10 kΩ)
		4 to 20 mADC (250 Ω)
Preset input		8 points
Output signal		Output accuracy: ±6%F.S. or less, Analog output: 1-5 VDC (connecting load impedance 500kΩ and over)
Error output signal		NPN, or PNP open collector output, 30 V or less and 50mA or less, voltage drop 2.4V or less, PLC/relay compatible
Direct memory setting		5 to 500kPa (min. setting width 1kPa/setting resolution 1kPa)
Hysteresis *3		0.5% F.S. or less
Linearity *3		± 0.3% F.S. or less
Resolution *3		0.2% F.S. or less
Repeatability *3		0.3% F.S. or less
Temperature characteristics	Zero point fluctuation	0.15% F.S./°C or less
	Span point fluctuation	0.07% F.S./°C or less
Max. flow rate (ANR) *4		400ℓ/min
Step response *5	None load	0.2 sec or less
Vibration resistance		98m/s^{2}or less
Ambient temperature		5 to 45°C
Fluid temperature		5 to 45°C
Port size		Rc1/4
Mounting orientation		Unrestricted
Weight		270 g (body only)
Protection circuit		Power reverse connection protection

*1: The pilot operating pressure of this product is released (NO) when the power is OFF, which causes the secondary pressure to drop to atmospheric pressure.

*2: There is 1% F.S. or less residual pressure when the input signal is 0%. (5 kPa)

*3: The conditions for the values above are: 24±0.1 VDC power supply voltage, 25±3°C ambient temperature, no load, working pressure of +100kPa max. control pressure, and 10 to 90% control pressure. In addition, when the secondary side is a closed circuit, pressure fluctuations will occur if the product is used for blowing or for similar applications.

*4: The characteristics where working pressure is maximum and control pressure is maximum are shown.

*5: The above characteristics are those when the max. working pressure is set and the step amount is set from
- 50%F.S. → 100%F.S.
- 50% F.S. → 60%F.S.
- 50% F.S. → 40%F.S.

* Refer to the SM-50829 instruction manual for safety precautions, wiring method and operation method.
* For input/output characteristics, analog output, flow characteristics, and relief characteristics, refer to EVD-1500 in Pneumatic, Vacuum, and Auxiliary Components (CB-024SA).

How to order

SWD - EVD1 - 0 AN - C1B1

- Ⓐ Identification number
- Ⓑ Input signal
- Ⓒ Output signal
- Ⓓ Option

Code	Item
Ⓐ Identification number	
EVD1	For SWD12, 22
EVD2	For SWD32
EVD3	For SWD11, 21, 42
EVD4	For SWD31, 41
Ⓑ Input signal	
0	0-10 VDC
1	0-5 VDC
2	4-20 mA DC
Ⓒ Output signal	
AN	1 to 5 V analog, error (NPN)
AP	1 to 5 V analog, error (PNP)
Ⓓ Option	
Cable option	
Blank	None
C1	Cable 1 m
C3	Cable 3 m
Bracket option	
Blank	None
B1	B-bracket, floor mounted
L11	L-bracket, wall mounted

*1: There is 1% F.S. or less residual pressure when the input signal is 0%.

[Example of model No.]
SWD-EVD1-0AN-C1B1
Ⓐ (Identification number) : For SWD12, 22
Ⓑ Input signal : 0-10 V
Ⓒ Output signal : 1 to 5 V analog, error (NPN)
Ⓓ Option : Cable 1 m, B-bracket

●Option (cable, B-bracket) Discrete model No.

EVD - C1

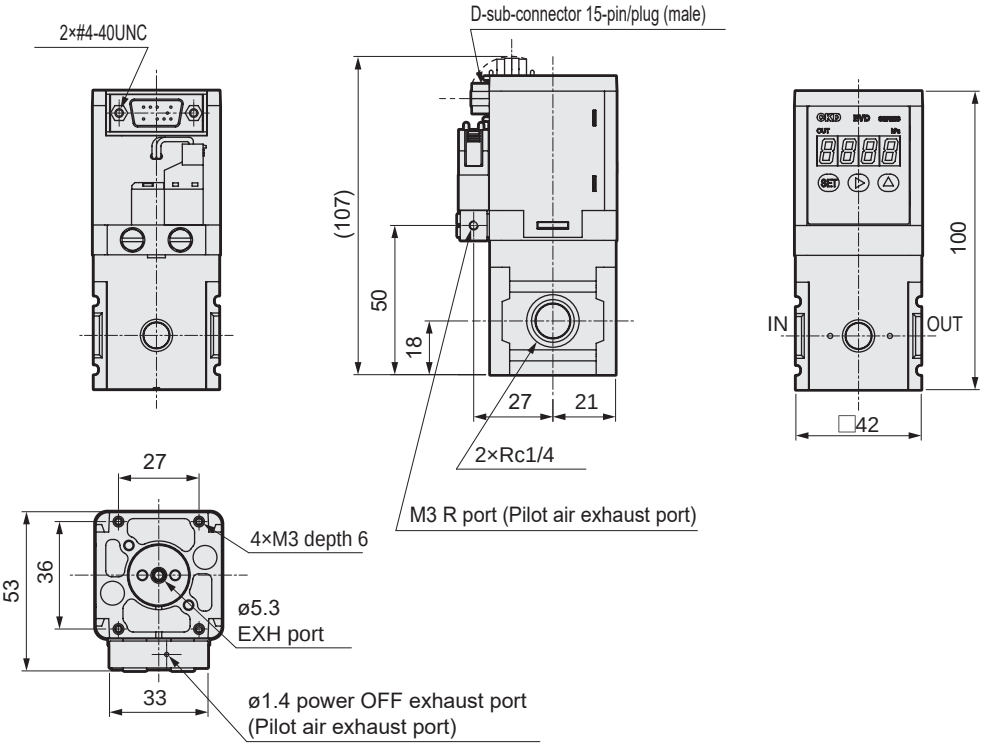
Ⓓ Option

●Option (L-bracket) Discrete model No.

EVL - L11

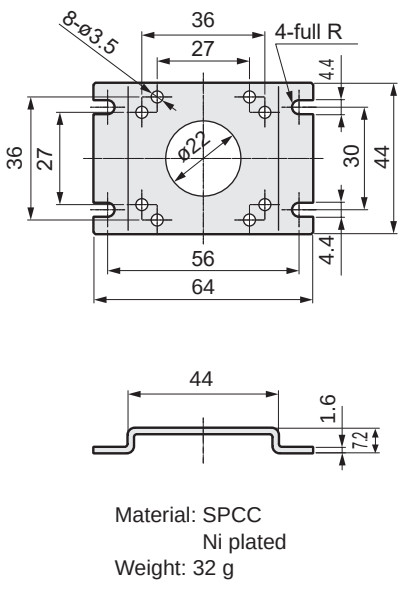
Ⓓ Option

Dimensions

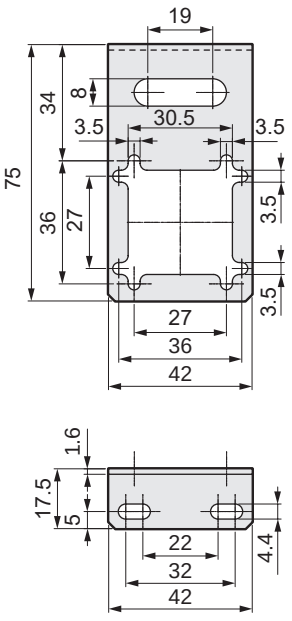


Cable, bracket optional dimensions

●B-bracket (-B1): floor mounted ●L-bracket (-L11): Wall mounted

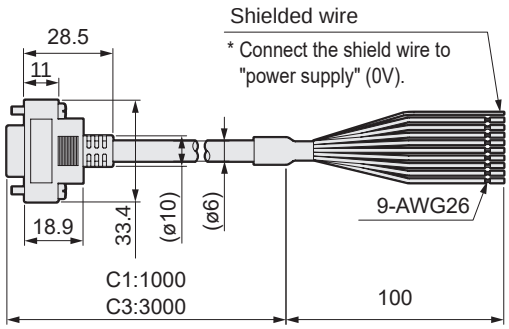


Material: SPCC
Ni plated
Weight: 32 g



Material:SPCC
Ni plated
Weight: 31 g

●Cable dimensions (-C1, C3)



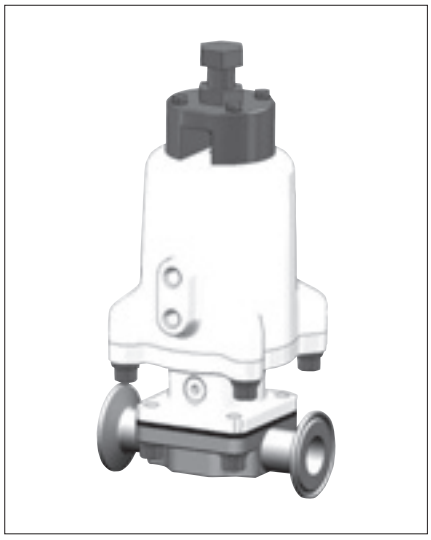
Wire material	Tinned annealed copper wire
Conductor O. D.	Approx. 0.48
Outer diameter of insulator	0.88

D sub-socket pin No.	1	2	3	4	5	6	7	8	9	10	11			12	13	14	15	Weight g
Insulator color	Brown	Orange	Yellow	-	Red	-	-	-	-	Gray	White			-	Green	Blue	Black	C1: 67 C3:166
Name	Preset input signal			Vacant	Power supply +	Vacant	Vacant	Vacant	Vacant	Common	Input signal			Vacant	Analog Output	Error output	Power supply - (0V)	
Input	Bit 1	Bit 2	Bit 3		+24 VDC						0-10 VDC	0-5 VDC	4-20 mA DC		Output 1-5 VDC	NPN or PNP output		

Nonete: The No. 10 pin common is the common for the preset input (pin No. 1 to 3).

Made-to-order product

With opening adjustment mechanism



With open/close switch

Specially shaped body

With photo sensor for detecting valve opening

With proximity sensor for detecting valve opening

Stroke detection potentiometer

* Contact CKD Sales for details.

Fluid Control Components: Warnings and Cautions

Be sure to read this section before use.

Refer to the "General Purpose Valves (CB-03-1SA)" catalog for general precautions. Although the above general catalog states that products are not applicable for medical equipment or direct contact with beverages/foodstuffs, the SWD-T Series products can be used in such applications as long as they are within the range of the product specifications.

Product-specific cautions: Flow rate control valve SWD-T Series

Design/selection

⚠WARNING

■This product cannot be used as an emergency shut-off valve.

●It is not designed to function as a safety valve, such as an emergency shut-off valve. When using in such a system, always take separate measures that will ensure safety.

■Incorrect equipment selection and handling can cause problems not only in this product, but also to your system. For equipment selection and handling, it is the customer's responsibility to check the specifications of this product and the compatibility with your system before use.

■Take measures to prevent physical harm or property damage in the event of failure of this product.

■Liquid ring

●When the valve opens and closes, the diaphragm moves up and down, which causes the flow path capacity to change inside the valve. For this reason, if the fluid is an incompressible fluid (liquid), extreme pressures will be created in the valve when operating under conditions that seal the fluid in the valve (liquid ring). In this case, install a release valve on the primary or secondary side of the valve, preventing a liquid ring circuit from forming.

■Working fluids

●Check the compatibility of product component materials and working fluids.

■Fluid temperature

●Use within the specified fluid temperature range.

■Fluid pressure range

●Use within the specified working pressure range.

■Iron rust and foreign materials in the fluid can cause operation faults or leaks and deteriorate product performance. Provide measures to remove foreign matter.

■Use in high temperatures and steam

●When hot fluid flows during steam sterilization, the valve body becomes hot, so do not touch with your hands or body. There is a risk of burns if these coils are touched directly.

⚠CAUTION

■Rapid changes in fluid temperature may cause internal leakage.

■While the upper side of the diaphragm (actuator side) does not come into contact with the fluid, due to changes in fluid type and fluid temperature, fluid may permeate and turn into fluid atmosphere.

■As for compressed air for actuator operation, use air or inert gas passed through a filter with a Degree of filtration of 5 μm or more.

■The valve operation may be unable to track if the operating air supply time or exhaust time is short.

■Do not allow fluid to come into contact with the product body.

■Water hammer and vibration may occur in certain fluid pressure and piping conditions. In most cases, this can be resolved by adjusting the open-close speed using a speed controller, etc. If a problem persists, review and revise the fluid pressure and piping conditions.

■If you use the product infrequently, contact CKD.

■Indicator rises during valve opening. Since grease is applied to the indicator part, be careful of adhesion.

■Use the operating air pressure within the specified working pressure range.

■Observe the operating frequency. Operating frequency is 20 times/min or less.

Mounting, installation and adjustment

⚠WARNING

■Before piping the product, flush the inside of the pipe and remove foreign matter such as foreign materials, metal chips, rust and sealing tape. Debris or foreign matter in the fluid may prevent the valve from functioning correctly. When there is contamination, install a filter on the primary side of the valve according to the circuit used.

■Protect the valve so that dust does not get inside. If there are high levels of dust in the area, install a downward-facing silencer or elbow fitting on the exhaust port of the valve operating part so that dust does not enter.

■When installing piping, avoid any application of stress on the valve body, such as bending, tension, or compression. Fix and support the pipes so that the weight and vibration of the pipes are not directly applied on the valves.

■Refer to the table below for the tightening torque of the operating port piping.

Operating port size	Recommended piping tightening torque
Rc1/8	3 to 5 N·m

⚠CAUTION

■This product may become heavy depending on the port size. When mounting, piping or removing, take measures to prevent injury due to falling, etc.

■For horizontal piping, liquid accumulation in the valve can be minimized by tilting the valve and piping. Pipe so that the "-CKD-" mark stamped on the body piping section is directly above. (Refer to Table 1, Fig. 1)

Table 1. Port size and valve tilt angle

Model No.	Port size	Valve tilt angle (θ°)
SWD1*-8	8 A	23
SWD1*-10	10 A	11
SWD2*-15	15 A	14
SWD3*-25	25A (1S)	25
SWD4*-40	40A (1.5S)	24

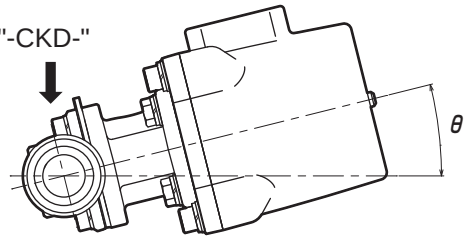


Fig. 1 Valve tilt angle

■Piping of body

●The dimensions of the ferrule part are ISO compliant. Assemble using gaskets and clamps of appropriate size.

Use/maintenance

⚠DANGER

■Handling the actuator

Never attempt to disassemble the actuator. It is very dangerous, as a high-load spring is incorporated. If disassembly is necessary, contact CKD or a distributor.

⚠WARNING

■Before disassembling, be sure to release the operating air and fluid pressure and check that pressure is not applied inside the valve.

■Before replacing the diaphragm, thoroughly replace the remaining fluid with pure water so that it does not affect the surrounding Component and humans, and purge with dry air or inert gas. When touching the fluid passage section of the valve, read the safety data sheet (SDS) for the working fluid and wear the necessary protective gear.

■Use the designated diaphragm for diaphragm replacement.

⚠CAUTION

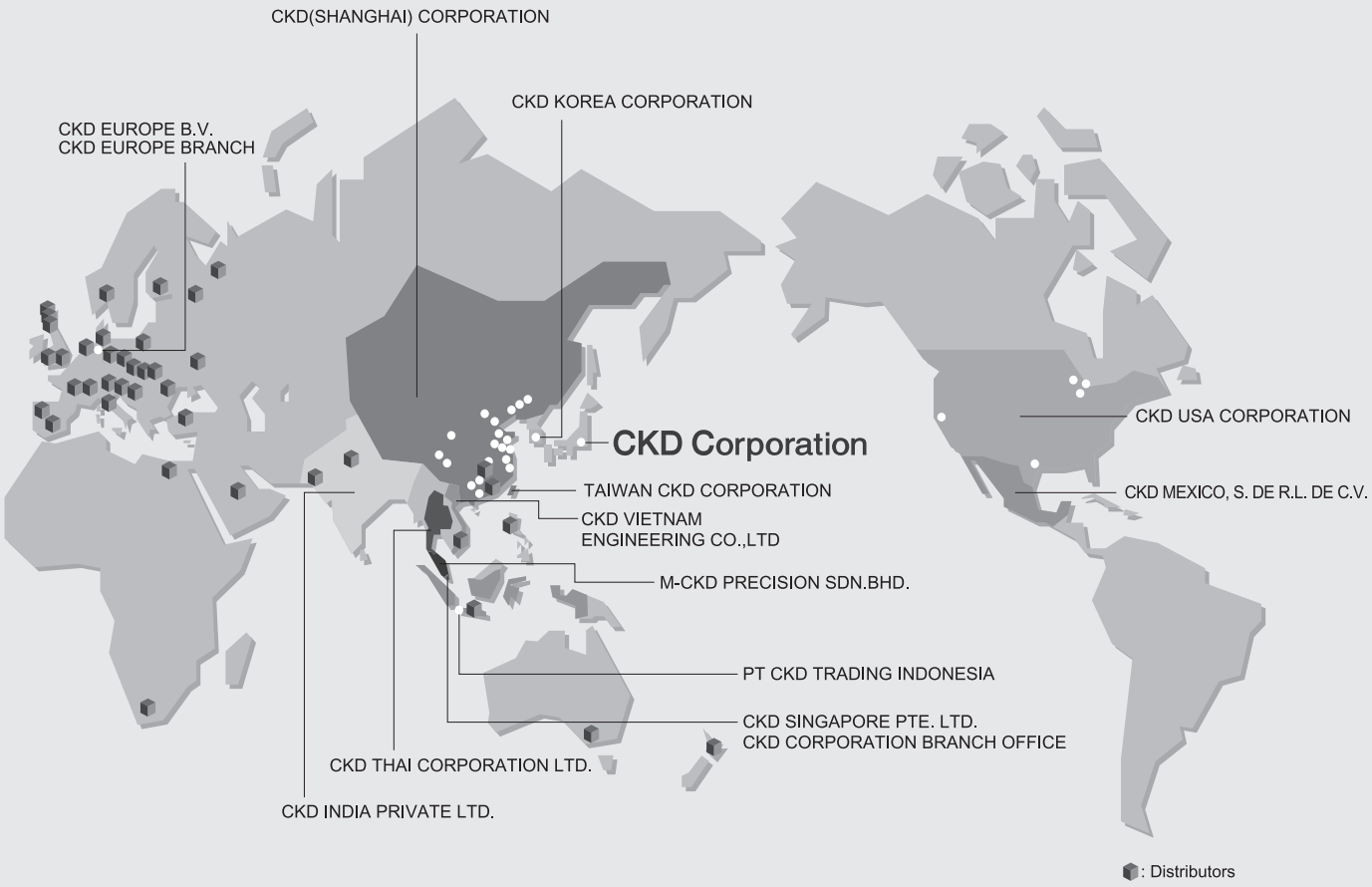
■Before replacing the valve, thoroughly replace the remaining fluid with pure water so that it does not affect the surrounding Components and humans, and purge with dry air or inert gas. When touching the valve, read the safety data sheet (SDS) for the working fluid and wear the necessary protective gear.

■If the product has been out of use for 1 month or more, perform a test run before starting the actual operation.

■When the product will not be used for one month or more, completely remove any water left in the product. Water residue will cause rusting and may lead to malfunction or leaks. If residual water cannot be eliminated, operate the valve several times a day and pass water through to ensure ideal use.

■Do not use valves as a footing or place any heavy objects on top of the valves.

■Defects occurring in disassembled or replaced products and parts are excluded from the warranty scope.



CKD Corporation

Website https://www.ckd.co.jp/en/

□ 2-250 Ouji, Komaki City, Aichi 485-8551, Japan
□ PHONE +81-568-74-1338 FAX +81-568-77-3461

ASIA

喜開理(上海)機器有限公司
CKD(SHANGHAI)CORPORATION

- ●営業部/上海浦西事務所(SALES HEADQUARTERS / SHANGHAI PUXI OFFICE)
  Room 601, 6th Floor, Yuanzhongkeyan Building, No. 1905 Hongmei Road, Xinhui District, Shanghai 200233, China
  PHONE +86-21-61911888 FAX +86-21-60905356
- 上海浦東事務所(SHANGHAI PUDONG OFFICE)
- 寧波事務所(NINGBO OFFICE)
- 杭州事務所(HANGZHOU OFFICE)
- 無錫事務所(WUXI OFFICE)
- 昆山事務所(KUNSHAN OFFICE)
- 蘇州事務所(SUZHOU OFFICE)
- 南京事務所(NANJING OFFICE)
- 合肥事務所(HEFEI OFFICE)
- 成都事務所(CHENGDU OFFICE)
- 武漢事務所(WUHAN OFFICE)
- 鄭州事務所(ZHENGZHOU OFFICE)
- 長沙事務所(CHANGSHA OFFICE)
- 重慶事務所(CHONGQING OFFICE)
- 西安事務所(XIAN OFFICE)
- 広州事務所(GUANGZHOU OFFICE)
- 中山事務所(ZHONGSHAN OFFICE)
- 深圳西事務所(WEST SHENZHEN OFFICE)
- 深圳東事務所(EAST SHENZHEN OFFICE)
- 東莞事務所(DONGGUAN OFFICE)
- 厦門事務所(XIAMEN OFFICE)
- 福州事務所(FUZHOU OFFICE)
- 瀋陽事務所(SHENYANG OFFICE)
- 大連事務所(DALIAN OFFICE)
- 長春事務所(CHANGCHUN OFFICE)
- 北京事務所(BEIJING OFFICE)
- 天津事務所(TIANJIN OFFICE)
- 青島事務所(QINGDAO OFFICE)
- 潍坊事務所(WEIFANG OFFICE)
- 済南事務所(JINAN OFFICE)
- 烟台事務所(YANTAI OFFICE)

CKD INDIA PRIVATE LTD.

- ●HEADQUARTERS
  Unit No. 607, 6th Floor, Welldone Tech Park, Sector 48, Sohna Road, Gurgaon-122018, Haryana, India
  PHONE +91-124-418-8212
- BANGALORE OFFICE
- PUNE OFFICE

PT CKD TRADING INDONESIA

- ●HEAD OFFICE
  Menara Bidakara 2, 18th Floor, Jl. Jend. Gatot Subroto Kav. 71-73, Pancoran, Jakarta 12870, Indonesia
  PHONE +62-21-2938-6601 FAX +62-21-2906-9470
- MEDAN OFFICE
- BEKASI OFFICE
- KARAWANG OFFICE
- SEMARANG OFFICE
- SURABAYA OFFICE

CKD KOREA CORPORATION

- ●HEADQUARTERS
  (3rd Floor), 44, Sinsu-ro, Mapo-gu, Seoul 04088, Korea
  PHONE +82-2-783-5201～5203 FAX +82-2-783-5204
- 水原営業所(SUWON OFFICE)
- 天安営業所(CHEONAN OFFICE)
- 蔚山営業所(ULSAN OFFICE)

M-CKD PRECISION SDN.BHD.

- ●HEAD OFFICE
  Lot No.6,Jalan Modal 23/2, Seksyen 23, Kawasan MIEL, Fasa 8, 40300 Shah Alam,Selangor Darul Ehsan, Malaysia
  PHONE +60-3-5541-1468 FAX +60-3-5541-1533
- JOHOR BAHRU BRANCH OFFICE
- PENANG BRANCH OFFICE

CKD SINGAPORE PTE. LTD.

No.33 Tannery Lane #04-01 Hoesteel Industrial Building, Singapore 347789, Singapore
PHONE +65-67442623 FAX +65-67442486

CKD CORPORATION BRANCH OFFICE

No.33 Tannery Lane #04-01 Hoesteel Industrial Building, Singapore 347789, Singapore
PHONE +65-67447260 FAX +65-68421022

CKD THAI CORPORATION LTD.

- ●HEADQUARTERS
  19th Floor, Smooth Life Tower, 44 North Sathorn Road, Silom, Bangrak, Bangkok 10500, Thailand
  PHONE +66-2-267-6300 FAX +66-2-267-6304-5
- NAVANAKORN OFFICE
- EASTERN SEABOARD OFFICE
- LAMPHUN OFFICE
- KORAT OFFICE
- AMATANAKORN OFFICE
- PRACHINBURI OFFICE
- SARABURI OFFICE

台湾喜開理股份有限公司
TAIWAN CKD CORPORATION

- ●HEADQUARTERS
  16F-3, No. 7, Sec. 3, New Taipei Blvd., Xinzhuang Dist., New Taipei City 242, Taiwan
  PHONE +886-2-8522-8198 FAX +886-2-8522-8128
- 新竹営業所(HSINCHU OFFICE)
- 台中営業所(TAICHUNG OFFICE)
- 台南営業所(TAINAN OFFICE)
- 高雄営業所(KAOHSIUNG OFFICE)

CKD VIETNAM ENGINEERING CO.,LTD.

- ●HEADQUARTERS
  18th Floor, CMC Tower, Duy Tan Street, Cau Giay District, Hanoi, Vietnam
  PHONE +84-24-3795-7631 FAX +84-24-3795-7637
- HO CHI MINH OFFICE

EUROPE

CKD EUROPE B.V.

- ●HEADQUARTERS
  Beechavenue 125A, 1119 RB Schiphol-Rijk, the Netherlands
  PHONE +31-23-554-1490
- CKD EUROPE GERMANY OFFICE
- CKD EUROPE UK
- CKD EUROPE CZECH O.Z.

CKD CORPORATION EUROPE BRANCH

Beechavenue 125A, 1119 RB Schiphol-Rijk, the Netherlands
PHONE +31-23-554-1490

NORTH AMERICA & LATIN AMERICA

CKD MEXICO, S. DE R.L. DE C.V.

Cerrada la Noria No. 200 Int. A-01, Querétaro Park II, Parque Industrial Querétaro, Santa Rosa Jáuregui, Querétaro, C.P. 76220, México
PHONE +52-442-161-0624

CKD USA CORPORATION

- ●HEADQUARTERS
  1605 Penny Lane, Schaumburg, IL 60173, USA
  PHONE +1-847-648-4400 FAX +1-847-565-4923
- LEXINGTON OFFICE
- SAN ANTONIO OFFICE
- SAN JOSE OFFICE/ TECHNICAL CENTER
- DETROIT OFFICE
- BOSTON OFFICE

The goods and/or their replicas, the technology and/or software found in this catalog are subject to complementary export regulations by Foreign Exchange and Foreign Trade Law of Japan.
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.

●Specifications are subject to change without notice.

2022.8