



With the CKD Outdoor Series, long-term outdoor use is guaranteed, even in harsh environments.

|Durability guaranteed for outdoor use

- Cleared a 960 hour combined cycle test (JIS H8502: 1999).
- Cleared a 400 hour ozone exposure test (JIS D0205: 1987).

Accelerated weathering*¹ test

Equivalent to **3**-year
acceleration

Combined cycle test

Equivalent to **7**-year
acceleration

Ozone exposure test

400 hours

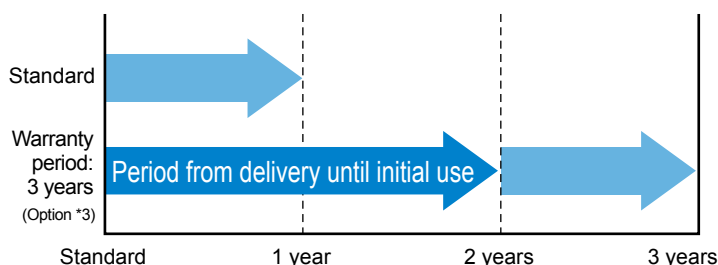
*1: Sunshine weathering meter test

|The warranty of up to 3 years will give you a long-term peace of mind (option*²)

To support use in plants and overseas, the warranty is 3 years from the date of delivery or 1 year from initial use, whichever comes first.

(with inspection certificate, inspection guidelines, drawings, specifications, traceability system diagram)

*2: The F.R.L unit option. (Excluding GW49D)



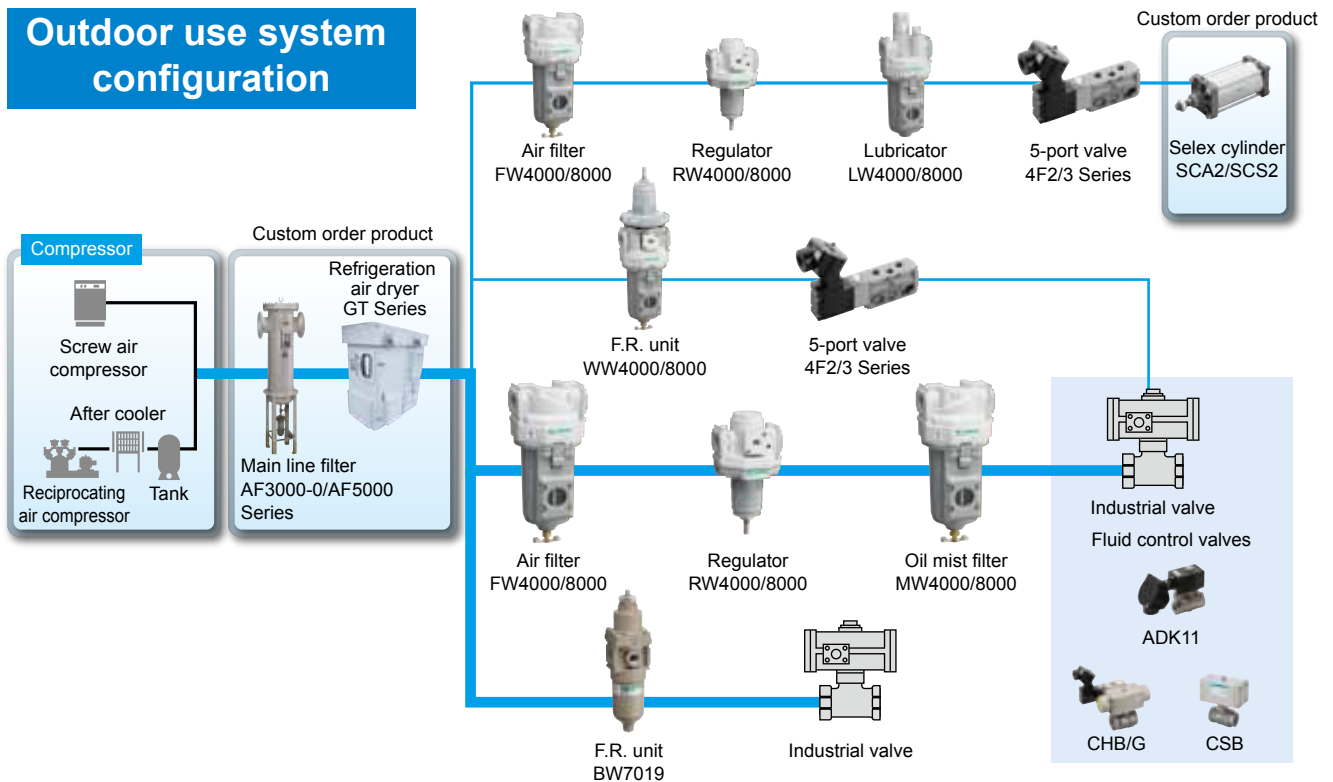
*3: The specifications must be agreed upon.



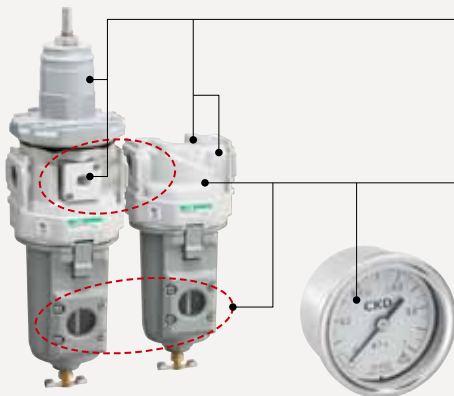
WEATHER PROOF

This logo indicates CKD's guarantee for outdoor use of its products.

Outdoor use system configuration



F.R.L.



All-metal cover and gauge plug

Weather resistance is improved by using metal for the resin parts of general-purpose items.

Excellent maintainability

Weather resistance and strength improved through the use of tempered glass.

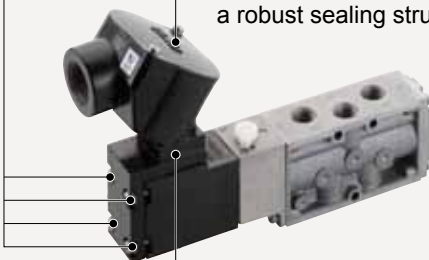
The stainless steel screws make exchange (disassembly and reassembly) of repair parts easy, even when outdoors.

4F Series

Stainless steel screws used

Uses a sealing structure

The terminal box cover uses a robust sealing structure.



IP65 certified

Completely prevents water, etc., from entering due to the sealant coating.

Fluid control valves

General purpose valve

Weather resistance improved with the highly reliable general purpose valves that have 30 years of market performance.



Air operated ball valve

Also has a mounted solenoid valve option.



INDEX

F.R.L. unit

Air filter

P1

FW Series

Port size

- FW4000-W 1/4, 3/8, 1/2
- FW8000-W 3/4, 1

Max. flow rate (m³/min) (Reference)

- FW4000-W 1.32/2.14/3.0
- FW8000-W 6.4/6.8



Regulator

P3

RW Series

Port size

- RW4000-W 1/4, 3/8, 1/2
- RW8000-W 3/4, 1

Max. flow rate (m³/min) (Reference)

- RW4000-W 2.5/4.4/5.0
- RW8000-W 14.0/11.0



Lubricator

P5

LW Series

Port size

- LW4000-W 1/4, 3/8, 1/2
- LW8000-W 3/4, 1

Max. flow rate (m³/min) (Reference)

- LW4000-W 1/1.7/2.7
- LW8000-W 6.3/10.0



Oil mist filter

P7

MW Series

Port size

- MW4000-W 1/4, 3/8, 1/2
- MW8000-W 3/4, 1

Max. flow rate (m³/min) (Reference)

- MW4000-W 0.825 (M type), 1 (S type)
- MW8000-W 2.6 (M type), 2.9 (S type)



F.R. unit

P9

WW Series

Port size

- WW4000-W 1/4, 3/8, 1/2
- WW8000-W 3/4, 1

Max. flow rate (m³/min) (Reference)

- WW4000-W 2.5/4.35/4.75
- WW8000-W 10



F.R. unit

P11

BW7019 Series

Port size

1/4

Max. flow rate (m³/min) (Reference)

0.9



General-use pressure gauge

P14

GW49D Series

Port size

1/8, 1/4

Pressure range

0 to 1.0 Mpa





WEATHER PROOF

Pneumatic auxiliary components

Silencer/metal body

P15

SL-W Series

- Port size
1/4, 3/8, 1/2



Speed controller

P16

SC1-W Series

- Port size
1/4, 3/8, 1/2



Pneumatic valve

5-port valve

P18

4F Series

- Port size
1/4, 3/8
- Degree of protection
IP65
- IP65 compliant (applicable standards: IEC/EN 60529)
- A more robust sealing structure used for the terminal box cover
- Stainless steel screws used
- NAMUR standard products also available (4F1*, 3 Series)



Fluid control valves

General purpose solenoid valve

P27

ADK11-W Series

- Port size
1/2, 3/4, 1
- Overview
2-port push type during energizing



Air operated ball valve

P31

CHB/G-W Series

- Port size
3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2
- Overview
2/3-port
Compatible with solenoid valve option



Air operated ball valve for steam

P47

CSB-W Series

- Port size
3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2
- Overview
2-port



- Custom order product [Cylinder] SCA2 Series/SCS2 SeriesP51
- [Large main line filter/air dryer] AF Series/GT SeriesP53
- CautionP58