CKD

Product Guide for the Plant Industry



PRODUCT GUIDE FOR PLANTS

















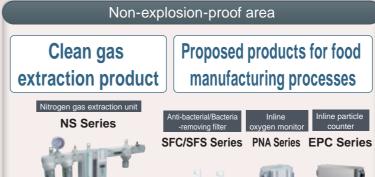


CKD Corporation

Proposals to the future plant industry







New products for contributing to carbon neutrality



TVG Series

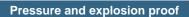
Explosion-proof area

Explosion-proof products can be used according to application and space

Intrinsic safety explosion-proof

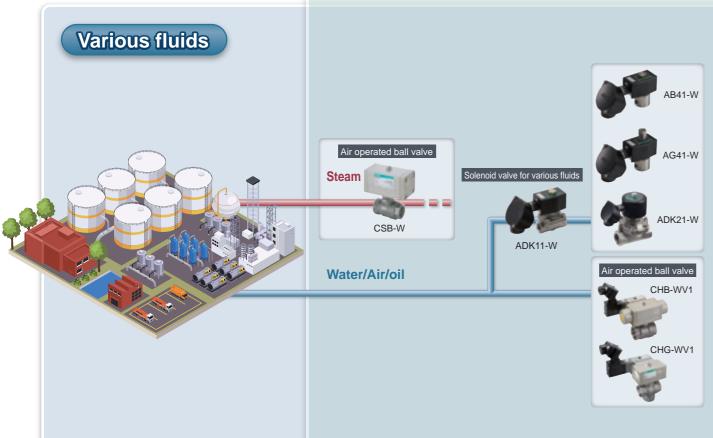


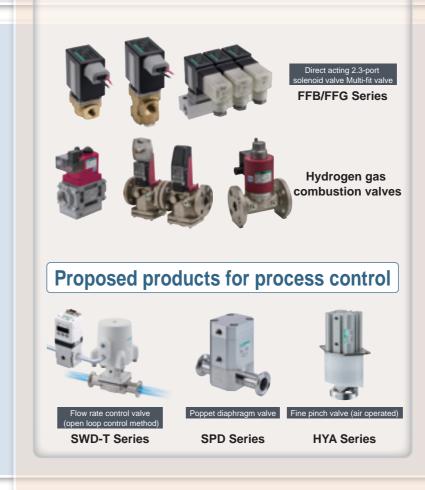






4F**0EX Series







Problem solving products for Outdoor use

Products for Outdoor Use WP Series Select from 177 models available

according to specifications













Component for compressed air

Filter regulator



4-direction switching valve



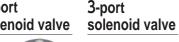
Materials that match temperature characteristics

Air cylinder



Fluid control components

2-port solenoid valve







Air operated

ball valve

Long-term no trouble in the harsh outdoors

The product has passed environmental tests for rain, salt damage, dust, humidity, ultraviolet rays, and ozone, and can be used with peace of mind.

3-year Acceleration equiv.

Combined cycle test -vear Acceleration equiv.

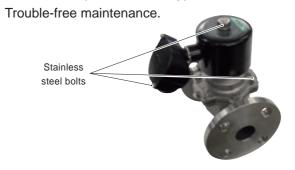
Ozone exposure test Hours

Series of products for ambient temperatures from -20°C to 60°C is available, and no heat insulation measures are required even in cold climates.

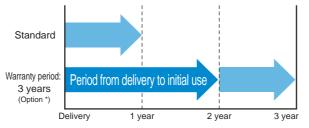




Maintenance parts are SUS-types.



Solenoid valve and F.R.L. guaranteed for up to 3 years (Option)



* The specifications are exchanged to clarify the warranty period.





Explosion-proof products can be used according to application and space

Recommende **Plants**

Intrinsically safe explosion-proof solenoid valve with widths from 10mm

Smallest explosion-proof class Hazardous area (ZONE1.2) compatible

Explosion-proof certification

Japan: . IPEx













Explosion-proof performance: Ex ib IIC T4 Can be used in hydrogen, acetylene, and city gas atmospheres.

Intrinsically safe explosion-proof pilot operated solenoid valves 4GD/E E* Series

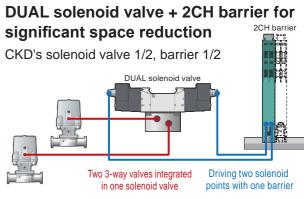
Optimized realization with space and energy saving



Reduced



*Conventional 8-station model comparison









2, 3-port pressure-resistant explosion-proof solenoid valve AB/AG/AP/AD/ADK Series

5-port pressure-resistant explosion-proof solenoid valve 4F**0EX Series (NAMUR compatible product available)



A highly rated pressure and explosion-proof solenoid valve



Direct acting, pilot operated 2, 3-port valve

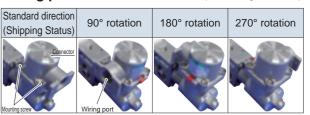
Pilot operated 5-port valve



Robust and simple system configuration

- 2, 3-port direct acting / pilot operated multi-fluid
- ●5-port pilot operated compressed air Applicable cable ø7.5 to 13.5mm²

Terminal box can be rotated 270° (AB/AG/AP/AD/ADK) Wiring port can be rotated 90° (4F**EX, figure below)



Actuator direction variable (360 degrees)







Clean air products

Refrigeration air dryer GT9000 Series **SHD Series**

Large main line filter

Super heatless dryer

AF5000 Series

















Main line unit

Supplies necessary air quality at low pressure loss

GT9000 Series

Refrigeration dryer for 75 to 970kw compressors. Outdoor specifications are available by special order.



AF5000 Series

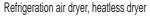
Rust-free large main line filter with stainless steel vessel. Can be modified to outdoor specifications by special order.



SHD Series

Heatless dryer with atmospheric pressure dew point of -72°C. Optimal energy-saving operation is realized by dew point monitoring system.











Clean gas extraction product

Nitrogen gas extraction unit NS Series





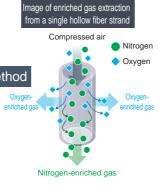




Nitrogen is produced from air (MAX 99.9%)

Membrane extraction method

Easily generates nitrogen-enriched gas just by feeding compressed air.







New products contributing to carbon neutrality

3.5-port pilot operated valve, plug-in block manifold

TVG Series







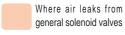


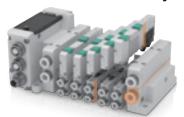
Ultra-long service life new plug-in manifold valve



CN, Pursuit of ease of use and reliability

Reduces air leakage. Maintains energy savings even after long-term use.





Uses materials with reduced environmental load

Biomass plastic and recycled material resin used.

FFB / FFG Series







Direct acting 2, 3-port solenoid valve Multi-fit valve

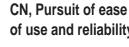
Recommende **Plants**

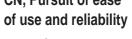


NEW STANDARD for Fluid control valves

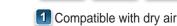


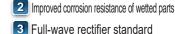












0.056t 400%

4 Energy saving

5 Pressure-resistant container structure

6 Silent structure





Hydrogen gas combustion valves























Pursuing system safety from every angle

Necessary components for gas combustion systems are available



plants, food plants, etc.







Proposed products for process control

Valve for pharmaceutical manufacturing processes











Flow rate control valve (Open loop control method)

SWD-T Series

Automation of flow rate adjustment using manual valves.



Poppet Diaphragm valve

SPD Series

Ideal for pharmaceutical and food manufacturing processes.







pinch valve for high purity fluids (Air operated)

HYA Series

Ideal for environments requiring sterility.







Proposed products for food manufacturing processes

Air-related components for food products

Recommended **Plant**





Antibacterial/Bacteria-removing filter

SFC/SFS Series

Anti-bacterial / Bacteria-removing compressed air.



Inline oxygen monitor

PNA Series

Visualization of oxygen concentration under pressure.







Inline particle counter

EPC Series

Constant control of the number of particles in compressed air / inert gas.



*Contact CKD Sales.

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