



Giving shape to the needs of food manufacturing processes

Equipment for Food manufacturing processes FP Series

FP
Food Process[™]

CKD Corporation

CC-1303A 5

Equipment for food manufacturing processes FP Series



A broad **standard lineup** ranging from air filters to actuators that can be used safely and securely in food manufacturing processes

Total support for food manufacturing with **total engineering capacity** in packaging machines as well as pneumatic, fluid control, and electric-driven products

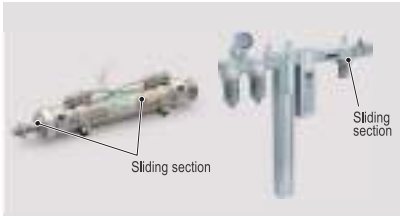
FP1 Series

Lubricant

Eliminates lubricant contamination concerns!

Food-grade (NSF H1) lubricants are used for flow paths and sliding parts.

*Materials and dimensions are the same as the standard products.



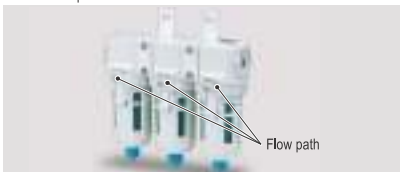
FP2 Series

Lubricant **Material** **Assembly environment**

Uses safe materials!

In addition to FP1, the flow path uses Food Sanitation Act* compliant materials (resin and rubber).

Materials (excluding the flow path) and dimensions are the same as the standard products.



*Food Sanitation Act (Specifications and standards for foods, food additives, etc. (The Ministry of Health and Welfare Notification No. 34, 370))

FP3 Series

Lubricant **Material** **Structure** **Assembly environment** **Shape**

Pursuing further safety and security!

In addition to FP2, this product takes into account food production processes including lubrication, materials, and shape.



This logo represents our commitment to support food manufacturing processes with safe CKD products.

FP1

Avoid contamination from lubricants.
Food grade lubricant (NSF H1) used.

Electric EKS-L Series	Electric ETSETV Series	Electric ECS/ECV Series	Electric SCPD3 Series	Electric CMK2 Series	Electric CMK2J Series
Cylinder SCM Series	Cylinder SCG Series	Cylinder SCA2 Series	Cylinder SCS2 Series	Cylinder SSD2 Series	Cylinder STG-M Series
Cylinder SRL3 Series	Cylinder FJ Series	Cylinder FH100 Series	Cylinder BHA/BHG Series	Cylinder HMF Series	Cylinder FH500 Series
Cylinder CKG Series	Cylinder CKL2/CKL2 Series	Pneumatic valves 4G Series	Pneumatic valves W4G*2 Series	F.R. C*028/ C*038/ C*048/ C*058/ C*068 Series	F.R. W1*00 to W8*00 Series
F.R. F*000 M(X)*000 Series	F.R. R1*00 to R8*00 Series	Pneumatic auxiliary FX Series	Pneumatic auxiliary P1100 to P5100 Series	Pneumatic auxiliary V1000/ V3000/ V3010/ V6010 Series	Pneumatic auxiliary EVD Series
Pneumatic auxiliary GW/ZW Series	Pneumatic auxiliary SC3W Series	Pneumatic auxiliary DSC Series	Pneumatic auxiliary SCL2 Series	Pneumatic auxiliary DVL-S Series	Pneumatic auxiliary SC-M5 Series
Pneumatic auxiliary SC1 Series	Pneumatic auxiliary SMW/ SMW2 Series	Pneumatic auxiliary FPV Series	Pneumatic auxiliary 2QV/3QV Series	Vacuum system VSH/ VSC Series	Pneumatic auxiliary SU/SD Series
Pneumatic auxiliary NSU Series	Pneumatic auxiliary AF Series	Fluid control APK Series	Fluid control SAB Series	Fluid control NAP Series	

FP2

Uses materials conforming to the Food Sanitation Act.

Fluid control EXA Series	Fluid control FWD Series	Fluid control USB/G Series	Fluid control AB31/ AB41 Series	Fluid control AG31/41/ 33/43/ 34/44 Series	Fluid control ADK11-Z Series
Fluid control LAD Series	Fluid control NAD GNAD Series	Fluid control CHB/ CHG Series	Fluid control MXB/ MXG Series	Fluid control SPK Series	Fluid control MYB3 Series
Fluid control HB Series	Fluid control CCN Series				
		Fluid control NS Series	Pneumatic auxiliary PNA Series	Pneumatic auxiliary SFC/SF5 Series	Vacuum system VSP Series

Equipment for food manufacturing processes FP series

Electric actuator

EBS-L/M EBR-L/M EKS-L ETS ECS ETV ECV Series

A wide range of variations for extensive applications

ROBODEX Pulse

With stepper motor

Compact & high rigidity (ball screw drive)

EBS-M Series



EBR-M Series



CC-Link

IO-Link

EtherCAT

Parallel IO

ROBODEX Std.

Motorless

Compact & high rigidity (ball screw drive)

EBS-L Series



EBR-L Series



Fast tact/high rigidity (ball screw drive)

EKS-L Series



Standard (ball screw drive)

ETS Series



ECS Series



Low dust specification

Standard (belt drive)

ETV Series



ECV Series



Low dust specification

Top motor manufacturers in the industry

List of motorless motor manufacturers

Supported servo motors Manufacturer list	EBS-L EBR-L	ETS/ECS/ ETV/ECV	EKS-L
Mitsubishi Electric Corporation	●	●	●
Delta Electronics Co., Ltd.	●	●	●
Sanyo Denki Co., Ltd.	●	●	●
YASKAWA Electric Corporation	●	●	●
Keyence Corporation	●	●	●
Panasonic Corporation	●	●	●
OMRON Corporation	●	●	●
Fuji Electric Co., Ltd.	●	●	●
FANUC CORPORATION	●	●	●
Bosch Rexroth AG	●	●	●
Rockwell Automation, Inc.	●	●	●
SIEMENS AG	●	●	●

Compatible stepping motor
Manufacturer list

Compatible stepping motor Manufacturer list	EBS-L EBR-L	ETS ECS
Oriental Motor Co., Ltd.	●	●
MinebeaMitsumi Incorporated	●	●
Dyadic Systems Co., Ltd.	●	●

*Refer to the page of each model for details about supported models and capacity.