

Environment-Resistant Cylinder For Food Manufacturing Processes FP1 - G-HP1 Series

Contributing to carbon neutrality in food manufacturing processes

FP1 Series

Lubricant

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



HP

HIGH PRODUCTIVITY



For food manufacturing processes Reduced CO₂ emissions from long service life products

HP

HIGH PRODUCTIVITY

Contributes to carbon neutrality by reducing maintenance and improving productivity.

Reduce production loss and waste

Durable

Rapid replacements

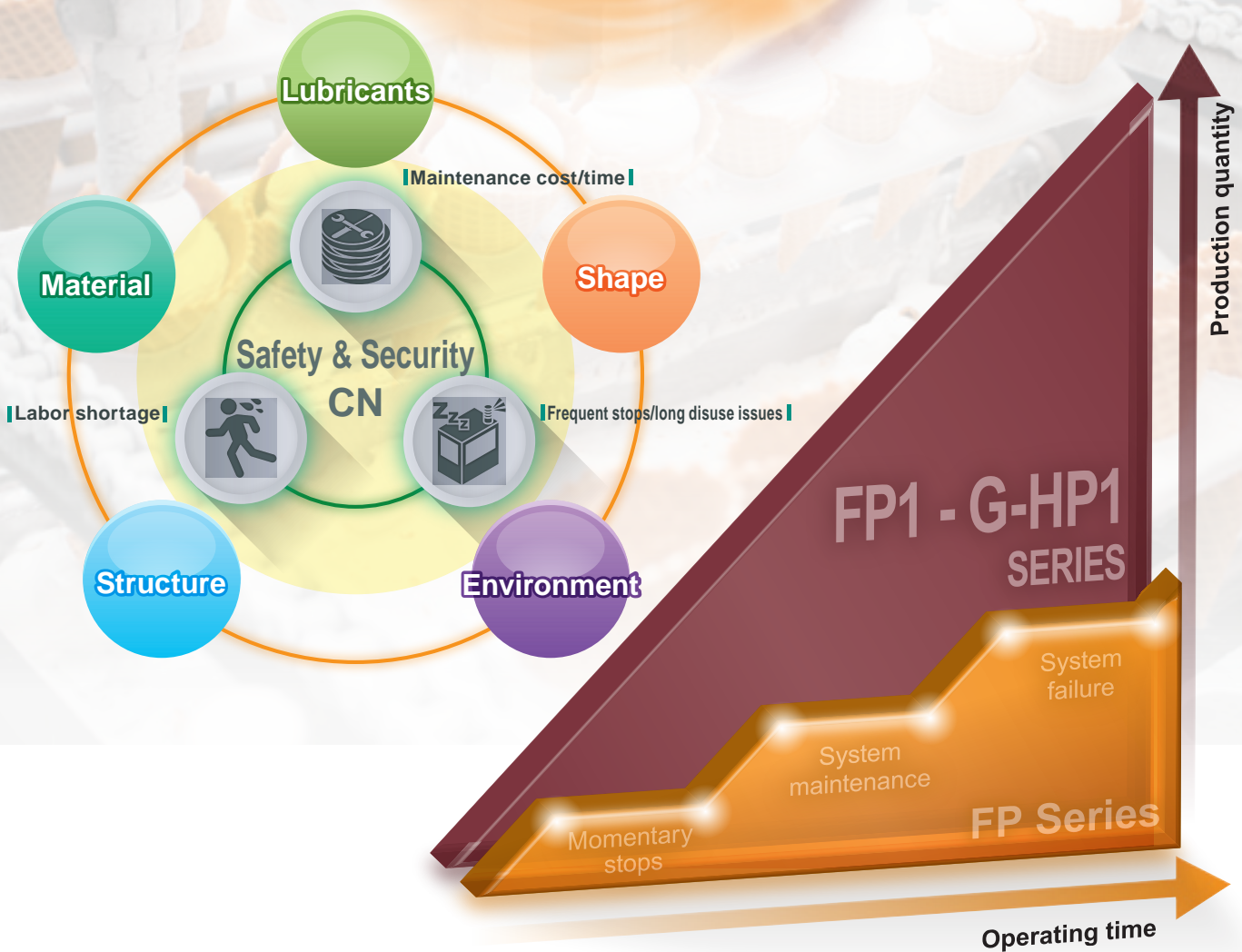
Early service-life notice

FP
Food Process®

Contributes to food safety and security in food manufacturing processes.

FP1

Eliminates concerns over lubricant contamination



Improved environmental resistance Does not break even in dusty environments

Environment-resistant cylinder For food manufacturing processes

FP1 - G-HP1 Series

Unexplained
Significantly reduced

Number of replacements
Significantly reduced

Environmentally-resistant
improved

Durability count
5 million cycles and over

Subject to CKD prescribed conditions



Long service life even in harsh environments

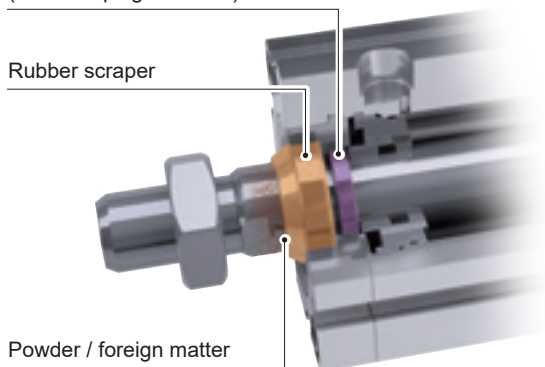
Food-grade (NSF H1) lubricants are used for flow paths and sliding parts. Equipped with a heavy duty scraper and lube keeper to prevent intrusion of dust and to maintain lubrication. While maintaining the safety and security of the FP Series, the durability in dusty environments has been greatly improved.

4x
or more
conventional

Fiber assembly
(Lube keeping structure)

Rubber scraper

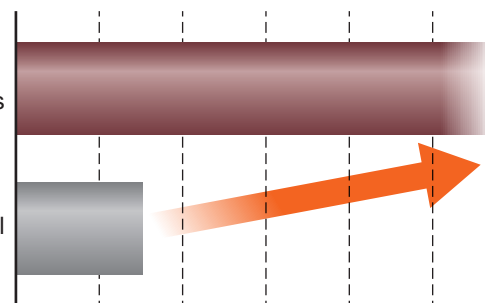
Powder / foreign matter



Operational cycle

FP1 - G-HP1
Series

Conventional



*The durability of the HP Series is the service life under our specified conditions. As it differs under working conditions or ambient environment, it is not guaranteed to be more than 4 times under all conditions.

Pencil shaped cylinder

SCPD3



Small bore size cylinder

CMK2



Round shaped cylinder

SCM



Tie rod cylinder

SCG



Compact cylinder

SSD2



Guided cylinder

STG-M_B



FP1- G-HP1 SERIES

* Model Numbers

Only models of the FP1 - G-HP1 Series are shown in this catalog. For details, refer to HP Series General Catalog (catalog No. CC-1421A), food manufacturing Refer to Process products FP Series (Catalog No. CC-1271A). Contact CKD for corresponding model No., options, etc.

How to order

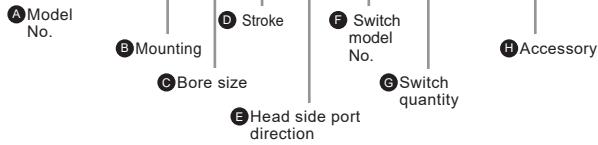
● Pencil shaped cylinder SCPD3-G-FP1-HP1

Without switch (without magnet for switch)

SCPD3-G-00-10-15-O-FP1 Y-HP1

With switch (built-in magnet for switch)

SCPD3-GL-00-10-15-O-T2H-R-FP1 Y-HP1



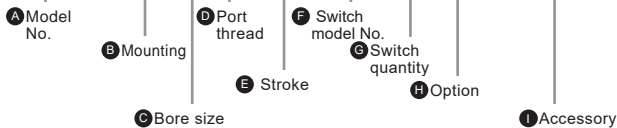
● Small bore size cylinder CMK2-G-FP1-HP1

Without switch (built-in magnet for switch)

CMK2-G-00-20-100-FP1 Y-HP1

With switch (built-in magnet for switch)

CMK2-G-00-20-100-T0H-R-V-FP1 Y-HP1



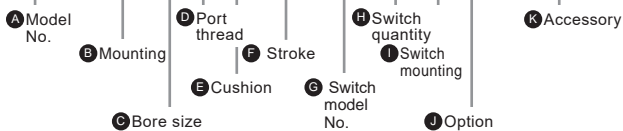
● Round shaped cylinder SCM-G-FP1-HP1

Without switch (built-in magnet for switch)

SCM-G-LB-20-B-100-M-FP1 I-HP1

With switch (built-in magnet for switch)

SCM-G-LB-40-B-100-T2H-D-M-FP1 I-HP1



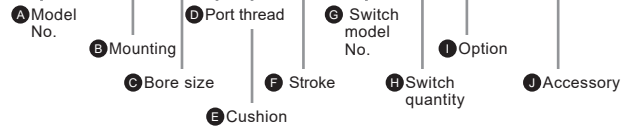
● Tie rod cylinder SCG-G-FP1-HP1

Without switch (built-in magnet for switch)

SCG-G-LB-40-B-100-M-FP1 I-HP1

With switch (built-in magnet for switch)

SCG-G-LB-40-B-100-T2H-R-M-FP1 I-HP1



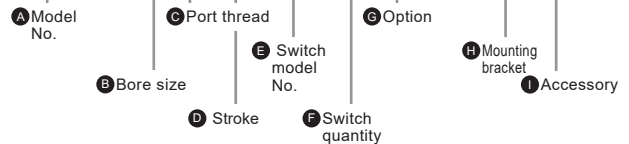
● Compact cylinder SSD2-G-FP1-HP1

Without switch (without magnet for switch)

SSD2-G-32-5-N-FP1-LB-I-HP1

With switch (built-in magnet for switch)

SSD2-GL-32-10-T2H-R-N-FP1-LB-I-HP1



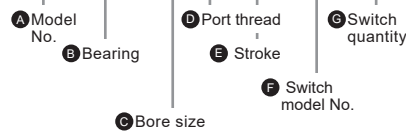
● Guided cylinder STG-M^B-G-FP1-HP1

Without switch (built-in magnet for switch)

STG-M G-32-25-FP1-HP1

With switch (built-in magnet for switch)

STG-M G-32-25-T2H-R-FP1-HP1



⚠️ Precautions for use

- Avoid water contact.
- When using the STG-B with excessive allowable moment load, the ball may fall due to its service life.



Green Power

Collaborative Robot Grippers are manufactured with 100% RENEWABLE ENERGY (Certified by Green Power)

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 that the exporter makes sure that they will never be used for the development and/or manufacture of weapons for mass destruction.

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● Specifications are subject to change without notice.
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