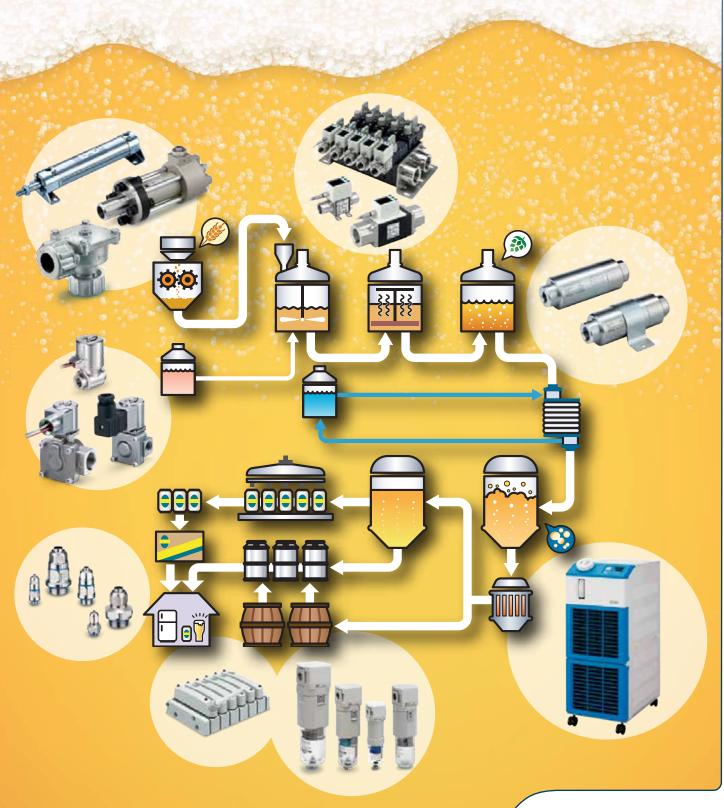
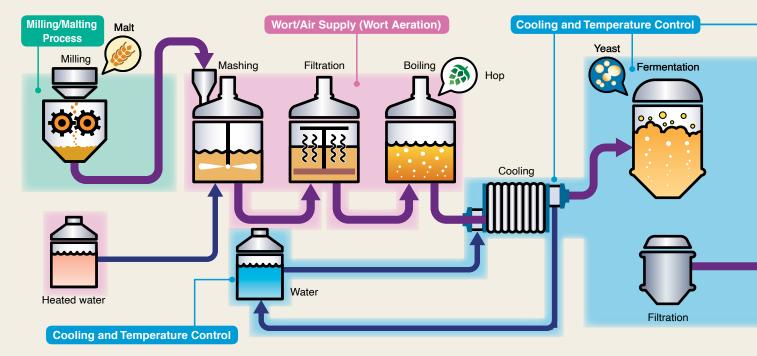


Products for Craft Breweries



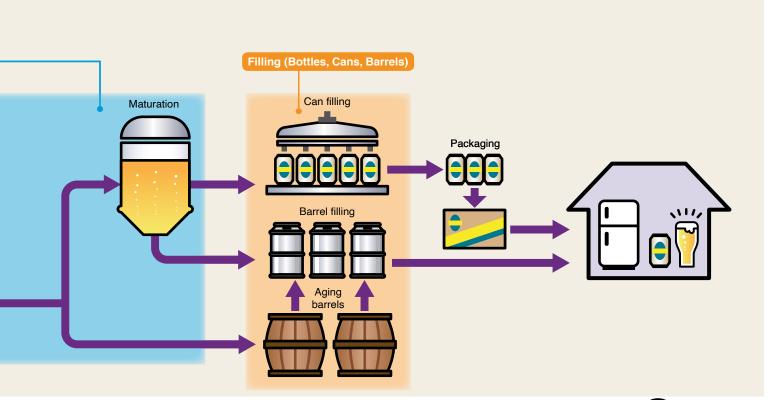
Craft Beer Production Process

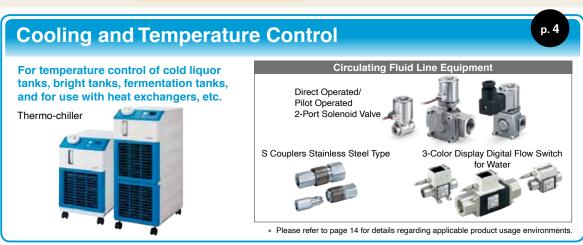






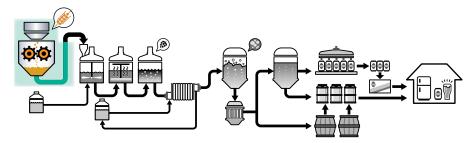








Milling/Malting Process



Can be used for opening and closing hatch doors in dusty environments.

Cylinder with Stable Lubrication Function (Lube-retainer)





- ullet Applicable to operation in micro-powder (10 to 100 μ m)/general environments
- Durability is 4 times stronger than the standard model in micro-powder environments.
- The overall length and mounting are the same as those of the standard model. (Except for some models)
- Grease film is formed on the piston rod surface to improve durability.
- Prevents the entry of dust and foreign matter
- The number of operating cycles can be improved even in general environments.

Туре	Series	Action	Bore size [mm]
Air cylinder	CM2-Z	Double acting, Single rod	20, 25, 32, 40
Air cylinder	CG1-Z	Double acting, Single rod	20, 25, 32, 40, 50, 63, 80, 100
Air cylinder	CA2-Z	Double acting, Single rod	40, 50, 63, 80, 100
Compact cylinder	cqs	Double acting, Single rod	20, 25
Compact cylinder	CQ2-Z	Double acting, Single rod	32, 40, 50, 63, 80, 100
Compact guide cylinder	MGP-Z	Double acting	20, 25, 32, 40, 50, 63, 80, 100
Dual rod cylinder/ Compact type	CXSJ	Double acting	6, 10, 15, 20, 25, 32
Dual rod cylinder	cxs	Double acting	6, 10, 15, 20, 25, 32
High power cylinder	RHC-XC93	Double acting	32, 40

Used for loosening up stuck grains in milling equipment.

Air Shocker XT316



Please contact SMC for details.

 Pneumatic piston type shock generator 							
Boro sizo [mm]	20	40	62	Г			

Bore size [mm]	30	40	63	80	100
Impact energy [kgm]		0.17 to 0.31	0.45 to 0.75	1.0 to 1.8	2.2 to 4.0
Impact cycle			Max. 15		





For transfer of grain material

Pulse Valve (Valve for Dust Collector) JSXFA



- Life: 10 million cycles or more/10 times or more
- High peak pressure and low air consumption

Peak pressure: 15% increase Air consumption: 35% reduction • Fluid temperature: -40 to 60°C

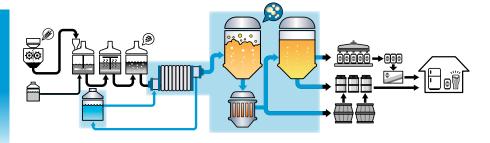
Series	Valve type	Port size	Piping	Orifice diameter [mmø]
JSXFA	N.C.	3/4 (20A) 1 (25A) 1 1/2 (40A)	Compression fitting type Direct piping type (Rc, NPT, G) Immersion type	32, 40, 50







Cooling and Temperature Control



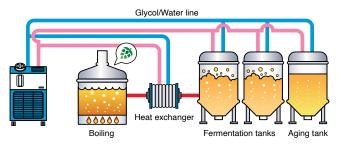
For temperature control of cold liquor tanks, bright tanks, fermentation tanks, and for use with heat exchangers, etc.

Thermo-chiller HRS040-A-20-T1-X135 INR-493-010



- Circulating fluid: Propylene glycol aqueous solution
- Set temperature: -10°C (Lower limit)
- Cooling capacity: 0.5 kW (HRS040-A-20-T1-X135) at a circulating fluid temperature of -10°C
 1.5 kW (INR-493-010) at a circulating fluid temperature of -10°C

	Set	Cooling capacity		0"	B	Oliver de Mira vi	
Series	temperature range	Circulating fluid temperature: -10°C	Temperature stability	method		Circulating fluid	International standards
HRS040-A-20-T1-X135	-10 to 40°C	0.5 kW	±0.1°C	Air-cooled	Single- phase 200 to 230 V	Ethylene glycol aqueous solution (50%)	C € .MET)us
INR-493-010	-10 to 35°C	1.5 kW	±0.5°C	refrigeration	3-phase 200 V	Propylene glycol aqueous solution (31%)	_



Circulating Fluid Line Equipment

S Couplers Stainless Steel Type KKA



- Body material: Stainless steel 304
- Seal material: Fluoropolymer (Special FKM) is employed.
- Grease-free
- Check valve built in to both plug and socket
- Simple to connect and disconnect chiller

Series	Connection thread			
KKA	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2			

Direct Operated/Pilot Operated 2-Port Solenoid Valve JSX/JSXD



- Body material: Stainless Steel, Seal material: EPDM for use with propylene or ethylene glycol
- Improved environmental resistance due to the stainless steel coil cover [IP67 enclosure]
- Space saving
 - Compact: Valve volume reduced by 25% (Compared with the existing model), Lightweight: Weight reduced by 30% (Compared with the existing model)

Series	Valve type	Port size	Orifice diameter [mmø]
JSX	N.C.	1/8, 1/4, 3/8	1.6 to 7.1
JSXD	N.C.	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 32A, 40A, 50A	10 to 50





Cooling and Temperature Control

Circulating Fluid Line Equipment

3-Color Display Digital Flow Switch for Water PF3W-Z/L





- Applicable fluid: Water, Ethylene glycol aqueous solution
- Lightweight: Max. 53% reduction (40 L/min, With temperature sensor)
- IO-Link compatible
- 3-color/2-screen display
- Compatible with the temperature sensor & flow adjustment valve
- Fluid temperature: 0 to 90°C

Series	Rated flow range [L/min]	
PF3W-Z	0.5 to 4, 2 to 16, 5 to 40, 10 to 100	
PF3W7-L (IO-Link compatible)	0.5 to 4, 2 to 16, 5 to 40, 10 to 100, 50 to 250	

Digital Flow Switch Manifold for Water PF3WB/C/S/R





• Applicable fluid:

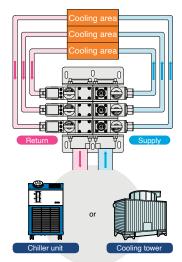
Water, Ethylene glycol aqueous solution

 Space saving Footprint: Max. 85% reduction Weight: Max. 65% reduction

Needs no piping:

Work-hour for installation reduced by up to 45%

- IO-Link compatible
- 3-color/2-screen display
- Fluid temperature: 0 to 90°C



Series	Rated flow range [L/min]
PF3WB Integrated type (Basic type)	0.5 to 4, 2 to 16, 5 to 40
PF3WC Integrated type (Straight type)	0.5 to 4, 2 to 16, 5 to 40
PF3WS Remote type (Supply type)	0.5 to 4, 2 to 16, 5 to 40
PF3WR Remote type (Return type)	0.5 to 4, 2 to 16, 5 to 40

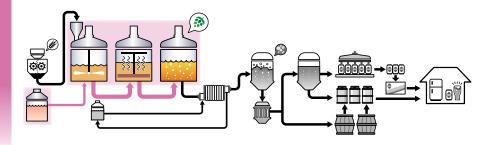




5

Wort/Air Supply

(Wort Aeration)



Can be used for supplying pressurized air for wort aeration prior to the fermentation process.

Membrane Air Dryer IDG□A/IDG



- HF1 compliant product Non grease or NSF H1 food grade grease utilized*1 (No Prefix No.) *1 Parts in contact with fluid
- It is possible to easily supply dry air using the hollow fiber membrane.
- Non-fluorocarbon
- Power supply not required
- Compatible with low dew points (-60°C)
- No vibration or heat discharge
- With a dew point indicator

Series	Outlet flow [L/min (ANR)]	Standard dew point [°C]
IDG□A/IDG	10 to 1000	-15, -20, -40, -60

Line Filter HF1-AFF / Mist Separator HF1-AM / Micro Mist Separator HF1-AMD / Activated Carbon Filter HF1-AMK



- Non grease or NSF H1 food grade grease utilized*1 *1 Parts in contact with fluid
- Modular connection type
- Compressed air purity class: ISO 8573
- Face-to-face and depth dimensions reduced by 30%
- Weight reduced by 50%
- AFF/AM□20: 0.19 kg (Existing model: 0.38 kg)
- Flow capacity increased by 50%
- No tools are required.
- Easy replacement of the element is possible.
- Transparent bowl guard (2-layer construction)
- Color-identifiable elements

Туре	Series	Filtration [μm]	Oil mist concentration on the outlet side	Rated flow [L/min (ANR)]	Port size
Line filter	AFF	1.0 (Filtration efficiency: 99%)	_	300 to 1500	1/8, 1/4, 3/8, 1/2
Mist separator	AM	0.1 (Filtration efficiency: 99%)	1 (≈ 0.8 ppm) or less	300 to 1500	1/8, 1/4, 3/8, 1/2
Micro mist separator	AMD	0.01 (Filtration efficiency: 99%)	0.1 (≈ 0.08 ppm) or less	300 to 1500	1/8, 1/4, 3/8, 1/2
Activated carbon filter	AMK	_	0.003 (≈ 0.0025 ppm) or less	300 to 1500	1/8, 1/4, 3/8, 1/2

Bacteria Removal Filter/Hollow Fiber Element SFDA



• HF2 compliant product

Non grease or NSF H1 food grade grease utilized*1 (No Prefix No.) Use of FDA compliant materials*1 (No Prefix No.)

*1 Parts in contact with fluid

Bacteria capture performance: LRV ≥ 9

Use of FDA/Food Sanitation Law compliant materials*1

*1 Parts in contact with fluid: Resin/Rubber

Use of NSF-H1 grade lubrication for flow path

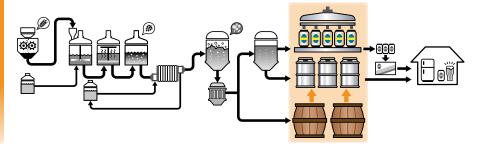
Designed for use in applications to HACCP principles and FSSC22000 standards

- Nominal filtration rating: 0.01 μm (Filtering efficiency: 99.99%)
- Initial pressure drop: 0.03 MPa (Inlet pressure 0.7 MPa, at max. flow rate)
- Flow rate: 500 L/min (ANR)

Series	Туре	Operating pressure	Filtration [µm]
SEDA	Bacteria removal filter	Max. 1.0 MPa	0.01
SFDA	(Bacteria removal performance: LRV ≥ 9)	(For nitrogen: 0.99 MPa)	(Filtering efficiency: 99.99%)







These products are made with stainless steel for improved corrosion resistance, hygienic design, use grease for food machinery, or use compatible materials, etc.

Improved Corrosion Resistance (Epoxy Coating)

Modular F.R.L. Units AC-B-X480







- Outer layer surface: Epoxy coating
- Better visibility and environmental resistance
- Easy element replacement
 The element and the bowl are integrated.
 Replacement can be done in hand.

Combination equipment	Series	Port size	Set pressure [MPa]
Air filter, Regulator	AC20B to 60B-B-X480	1/8, 1/4, 3/8, 1/2, 3/4, 1	0.05 to 0.85 0.02 to 0.2
Air filter, Mist separator, Regulator	AC20C to 40C-B-X480	1/8, 1/4, 3/8, 1/2, 3/4	0.05 to 0.85 0.02 to 0.2
Filter regulator, Mist separator	AC20D to 40D-B-X480	1/8, 1/4, 3/8, 1/2, 3/4	0.05 to 0.85 0.02 to 0.2

Air Filter AF-A

Series	Port size	Filtration [μm]
AF10 to 60-A-X480	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	5

Mist Separator AFM-A

Series	Port size	Rated flow [L/min (ANR)]
AFM20 to 40-A-X480	1/8, 1/4, 3/8, 1/2, 3/4, 1	200, 450, 1100

Regulator AR-B

Series	Port size	Set pressure [MPa]
AR20 to 60-B-X480	1/8, 1/4, 3/8, 1/2, 3/4, 1	0.05 to 0.85, 0.02 to 0.2

Filter Regulator AW-B

Series	Port size	Set pressure [MPa]	Filtration [µm]
AW20 to 60-B-X480	1/8, 1/4, 3/8, 1/2, 3/4, 1	0.05 to 0.85, 0.02 to 0.2	5

Conforming to OSHA Standard: Pressure Relief 3-Port Valve with Locking Holes VHS-X513



- Outer layer surface: Epoxy coating
- Compliant with OSHA Standards (Occupational Safety and Health Administration Department of Labor)
- This manually operated valve can be used to prevent accidents caused by residual pressure in pneumatic lines.
- The supply and exhaust status of air flow can be confirmed at a glance.

Series	Port size	Operating pressure [MPa]
VHS20 to 50-X513	1/8, 1/4, 3/8, 1/2, 3/4, 1	0.1 to 1.0



Improved Corrosion Resistance (Stainless Steel)

Stainless Steel Cylinder CJ5-S/CDJ5-S/CG5-S/CDG5-S





- Applicable for use in an environment with water splashing
- With auto switch (CDJ5-S series: CDJ5-S, CDG5-S series: CDG5-S)

Туре	Series	Action	Bore size [mm]
Standard	CJ5-S	Double acting, Single rod	10, 16
Standard	CG5-S	Double acting, Single rod	20, 25, 32, 40, 50, 63, 80, 100
Standard	CG5W-S	Double acting, Double rod	20, 25, 32, 40, 50, 63, 80, 100

Stainless Steel Speed Controller (Elbow Type) ASG



- Material: Stainless steel 316
 Seal: Special FKM
- Seat ring: Stainless steel 303
- Applicable tubing materials:

FEP, PFA, Nylon, Soft nylon, Polyurethane, Polyolefin

Туре	Series	Port size on the cylinder side	Applicable tubing O.D.
Elbow type	ASG	M5 to 1/2	ø4 to ø12

Angle Seat Valve/Air Operated Type JSB41-X1



- Body material: Stainless steel 316L equivalent
- For steam (Can be used with air and water)
- Low pressure loss due to angle seat structure
- Space saving: Height 160 mm
- Up to 183°C (Steam), Up to 99°C (Air, Water)
- Series
 Valve type
 Port size
 Flow rate characteristics Cv/Kv

 JSB41-X1
 N.C.
 1
 28/24

Compact 5-Port Solenoid Valve/Plug-in Type

JSY1000/3000/5000





- Enclosure: IP67
 - $\hbox{ D-sub connector (FW type), Terminal block box, Lead wire, Serial wiring (EX600^{*1}, EX250, EX260^{*2})}$
 - *1 Excludes I/O units *2 Excludes D-sub communication
- \bullet Size reduction possible thanks to a flow increase
 - This leads to space saving, weight reduction, and a large flow rate.
- Power consumption: 0.1 W (With power saving circuit^{∗3}), 0.4 W (Standard)
- *3 Made to order

Series		aracteristics (A/B → E)	Applicable cylinder size	Power consumption [W]
	C [dm³/(s·bar)]	b	Cylinder Size	
JSY1000	0.91	0.48	ø40	0.2 (With power saving circuit)
JSY3000	2.77	0.27	ø50	0.4 (Standard) 0.1 (With power saving circuit*1) *1 Made to order
JSY5000	6.59	0.22	ø80	0.4 (Standard) 0.1 (With power saving circuit*1) *1 Made to order



Hygienic Design

Hygienic Design Cylinder HY / HYD



- Improved water resistant air cylinder with an easily washable configuration
- 5 times the lifespan of the improved water resistant cylinder (SMC comparison)
- With auto switch (HYDB series: HYDB, HYDQB series: HYDQB, HYDC series: HYDC, HYDG series: HYDG)

Туре	Series	Action	Bore size [mm]
Basic	HYB	Double acting, Single rod	20, 25, 32, 40, 50, 63, 80, 100
Basic	HYQ	Double acting, Single rod	20, 25, 32, 40, 50, 63
ISO Standard	HYC	Double acting, Single rod	32, 40, 50, 63
With guide	HYG	Double acting	20, 25, 32, 40, 50, 63

Clean Design Manifold Valve JSY5000-H



- Low fluid accumulation, Easy to clean
- Large flow rate: 1,600 L/min (ANR)
- Enclosure: IP69K
- NSF-H1 grease
- External parts: FDA-compliant materials
- (Metal parts are made of stainless steel 316 with high anti-corrosion performance.)
- Wiring: Lead wire/Fieldbus type (IO-Link)

Series	Flow rate characteristics 4/2 → 5/3 (A/B → EA/EB) C [dm³/(s·bar)]	Flow rate characteristics 4/2 \rightarrow 5/3 (A/B \rightarrow EA/EB) b	Power consumption [W]
JSY5000-H	7.64	0.23	0.4 (Standard) 0.1 (With power-saving circuit*1) *1 Made to order

EHEDG Compliant KFG2H-E



- EHEDG certification
- Design for less residual liquid accumulation
- Achieved IP69K rating
- The rubber parts material (FKM) is compliant with the FDA (U.S. Food and Drug Administration) §177.2600.
- NSF H1-compliant paraffin grease is used.

Series	Description	Thread type
KFG2H□-E	Stainless steel 316 insert fitting	M, G thread

Clean Design Fittings KFG2H□-C







- Design for less residual liquid accumulation
- Metal parts: Stainless steel 316
- The rubber parts material (FKM) is compliant with the FDA (U.S. Food and Drug Administration) §177.2600.
- NSF H1-compliant paraffin grease is used.

Series	Description	Thread type
KFG2H□-C	Stainless steel 316 insert fitting	M, G thread



Grease for Food Processing Equipment (NSF-H1)

Air Cylinders		Series	Bore size [mm]
and the same of th	Air Cylinder	CJ2-Z-XC85	10, 16
at the same	Air Cylinder	CM2-Z-XC85	20, 25, 32, 40
	Air Cylinder	CG1-Z-XC85	20, 25, 32, 40, 50, 63 80, 100
4	Air Cylinder	CA2-Z-XC85	40, 50, 63, 80, 100
5	Compact Cylinder/Compact Type	CQS-XC85	12, 16, 20, 25
6	Compact Cylinder	CQ2-Z-XC85	12, 16, 20, 25, 32, 40 50, 63, 80, 100, 125 140, 160, 180, 200
	Stainless Steel Cylinder	CJ5-S	10, 16
4	Stainless Steel Cylinder	CG5-S	20, 25, 32, 40, 50, 63 80, 100
	Compact Guide Cylinder	MGP-Z-XC85	12, 16, 20, 25, 32, 40 50, 63, 80, 100
3.	External Stainless Steel Compact Guide Cylinder	MGPM-Z-X2532	20, 25, 32, 40
	Dual Rod Cylinder/Compact Type	CXSJ-XC85	6, 10, 15, 20, 25, 32
13.	Dual Rod Cylinder/Basic Type	CXS-XC85	6, 10, 15, 20, 25, 32
A war	Hygienic Design Cylinder/Round Type	НҮВ-Г	20, 25, 32, 40, 50, 63 80, 100
	Hygienic Design Cylinder/Basic Type	HYQ-F	20, 25, 32, 40, 50, 63
	Hygienic Design Cylinder/ ISO Standard Type	HYC-F	32, 40, 50, 63
35 000	Hygienic Design Cylinder	HYG-F	20, 25, 32, 40, 50, 63
Solenoid Valves		S	Series
SHIP OF THE PROPERTY OF THE PR	Clean Design Manifold Valve	JSY	′5000-Н
Compressed Air Preparation Filters		S	Series
	Bacteria Removal Filter/ Hollow Fiber Element	s	FDA
Fittings for Special Environments		S	Series
	FDA Compliant Fittings	K	QG2-F QB2-F -G2-F

FDA (U.S. Food and Drug Administration) Compliant

*1 Testing in compliance with Japan's Food Sanitation Law based on the 370th notice given by the Ministry of Health and Welfare in 1959

Polyurethane Tubing TU-X214



- Complies with the FDA (U.S. Food and Drug Administration) § 177.2600 dissolution test
- Complies with the EU No 10/2011 dissolution test

Series	Tubing O.D.	Color	Fluid
Series	Metric size	Color	Fluid
TU-X214	ø4, ø6, ø8, ø10, ø12	Black, White, Red, Blue, Yellow, Green, Clear, Orange	Air, Water

Fluoropolymer Tubing TL/TIL



- Complies with the FDA (U.S. Food and Drug Administration) § 177.1550 dissolution test
- Food Sanitation Law compliant*1

Series Tubing O.D.		g O.D.	Color
Series	Metric size	Inch size	Color
TL/TIL	ø4, ø6, ø8, ø10 ø12, ø19	ø1/8", ø3/16", ø1/4" ø3/8", ø1/2", ø3/4", ø1"	Translucent

Fluoropolymer Tubing (PFA) TLM/TILM





- Complies with the FDA (U.S. Food and Drug Administration) § 177.1550 dissolution test
- Food Sanitation Law compliant*1

Series	Tubing O.D.		Color
Series	Metric size	Inch size	Coloi
TLM/TILM	ø2, ø3, ø4, ø6, ø8, ø10 ø12, ø16, ø19, ø25	ø1/8", ø3/16", ø1/4", ø3/8" ø1/2", ø3/4", ø1", ø1 1/4"	Translucent, Black, Red, Blue

FEP Tubing (Fluoropolymer) TH/TIH





- Complies with the FDA (U.S. Food and Drug Administration) § 177.1550 dissolution test
- Food Sanitation Law compliant*1

Series	Tubin	Tubing O.D.	
Series	Metric size	Inch size	Color
TH/TIH	ø4, ø6, ø8, ø10, ø12	ø1/8", ø3/16", ø1/4" ø3/8", ø1/2", ø3/4"	Translucent, Black, Red, Blue

Soft Fluoropolymer Tubing TD/TID



- Complies with the FDA (U.S. Food and Drug Administration) § 177.1550 dissolution test
- Food Sanitation Law compliant*1

Series	Tubing O.D.		Color
Series	Metric size	Inch size	Color
TD/TID	ø4, ø6, ø8, ø10, ø12	ø1/8", ø3/16", ø1/4" ø3/8", ø1/2"	Translucent

Polyolefin Tubing TPH



- Complies with the FDA (U.S. Food and Drug Administration) § 175.300 dissolution test
- Series
 Applicable tubing O.D.
 Color
 Fluid

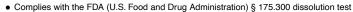
 TPH
 Ø4, Ø6, Ø8, Ø10, Ø12
 White, Blue, Yellow
 Air, Water, etc.



FDA (U.S. Food and Drug Administration) Compliant

Soft Polyolefin Tubing TPS





Series	Applicable tubing O.D.	Color	Fluid
TPS	ø4, ø6, ø8, ø10, ø12	White, Blue, Yellow	Air, Water, etc.

Stainless Steel 316 One-touch Fittings KQG2-F



- The rubber parts material (FKM) is compliant with the FDA (U.S. Food and Drug Administration) §177.2600.
- NSF H1-compliant paraffin grease is used.

Series	Applicable tubing	Connection thread
KQG2-F	Metric/Inch size	M, R, Rc, UNF, NPT, G*1 *1 ISO 16030 compliant

Metal One-touch Fittings KQB2-F



- The rubber parts material (FKM) is compliant with the FDA (U.S. Food and Drug Administration) §177.2600.
- NSF H1-compliant paraffin grease is used.

Series	Applicable tubing	Connection thread
KQB2-F	Metric/Inch size	M, R, Rc, UNF, NPT, G*1 *1 ISO 16030 compliant

Stainless Steel 316 Insert Fittings KFG2-F



- The rubber parts material (FKM) is compliant with the FDA (U.S. Food and Drug Administration) §177.2600.
- NSF H1-compliant paraffin grease is used.

Series	Applicable tubing	Connection thread
KFG2-F	Metric/Inch size	R, Rc, NPT, G* ^{1, *2} *1 Swivel elbow only *2 ISO 16030 compliant

EHEDG Compliant KFG2H—-E



- EHEDG certification
- Design for less residual liquid accumulation
- Achieved IP69K rating
- The rubber parts material (FKM) is compliant with the FDA (U.S. Food and Drug Administration) §177.2600.
- NSF H1-compliant paraffin grease is used.

Series	Description	Thread type
KFG2H□-E	Stainless steel 316 insert fitting	M, G thread

Clean Design Fittings KFG2H□-C



- Design for less residual liquid accumulation
- Metal parts: Stainless steel 316
- The rubber parts material (FKM) is compliant with the FDA (U.S. Food and Drug Administration) §177.2600.
- NSF H1-compliant paraffin grease is used.

Series	Description	Thread type
KFG2H□-C	Stainless steel 316 insert fitting	M, G thread







Fieldbus System (Wired/Wireless)

Industrial Device Communication Equipment EX600





- Supports digital inputs/outputs, analog inputs/outputs, and IO-Link masters
- Various connectors available:

M12 connector, M8 connector, D-sub connector, Spring type terminal block

*1 The applicable protocols differ depending on the series. For details, refer to the catalog of each series.

Series	Enclosure	Communication protocol*1	Applicable valve
EX600	IP67	EtherNet/IP™ EtherCAT PROFINET PROFIBUS DP DeviceNet™ CC-Link Ethernet POWERLINK (Made to order) Modbus TCP (Made to order) CC-Link IE Field (Made to order)	JSY1000, 3000, 5000 (Plug-in) SY3000, 5000, 7000 (Plug-in) SV1000, 2000, 3000 VQC1000, 2000, 4000, 5000 S0700 (IP40)

Industrial Device Communication Equipment EX500





- Decentralized valve installation is possible.
- · 2 types of decentralized systems

Description	Number of inputs/outputs	Number of valve manifold and input unit connections	Branch cable length
Gateway decentralized system 2	128 inputs/128 outputs	Max. 16 units	Max.20 m
Gateway decentralized system	64 inputs/64 outputs	Max. 8 units	Max.10 m

*1 The applicable protocols differ depending on the series. For details, refer to the catalog of each series.

Series	Enclosure	Communication protocol*1	Applicable valve
EX500	IP67	EtherNet/IP™ PROFINET PROFIBUS DP	SY3000, 5000, 7000 (Plug-in) VQC1000, 2000, 4000, 5000 SV1000, 2000, 3000 S0700 (IP40)

Wireless System EX600-W





- Usable even in welding environments
- Noise resistance

Uses the 2.4 GHz ISM frequency band Frequency hopping: Every 5 ms

• High-speed connection: From power supply ON to start of communication: Min. 250 ms

- Communication response (Signal response time): 5 ms
- Communication cables not required
- Number of I/O points: Max. 1280 inputs/1280 outputs

Series	Enclosure	Communication protocol*1	Applicable valve
EX600-W	IP67 equivalent	EtherNet/IP™ PROFINET	SY3000, 5000, 7000 (Plug-in) SV1000, 2000, 3000 S0700 (IP40) VQC1000, 2000, 4000, 5000

Wireless System Compact Remote EX600-W



- · Applicable to existing wireless systems
- Compact and lightweight

Area: Approx. 61% reduction*1 (59.8 cm² ← 155 cm²) Volume: Approx. 86% reduction*1 (159 cm³ ← 1,139 cm³)

Weight: Approx. 87% reduction*1 (130 g \leftarrow 965 g)

*1 For the e-CON type (Compared with the existing remote, M8 connector/digital 8 inputs specification)

e-CON type, Grommet type, IO-Link device compatible

Series	Enclosure	Communication protocol	Radio wave type
EX600-W	e-CON type: IP20 Grommet type: IP67 IO-Link device compatible: IP67	SMC original protocol	Frequency Hopping Spread Spectrum (FHSS)



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⚠ Caution

1. Avoid installing and using inside a food zone.

<Not installable>

Food zone ······· An environment where food which will be sold as merchandize, directly touches the components of SMC products

<Installable>

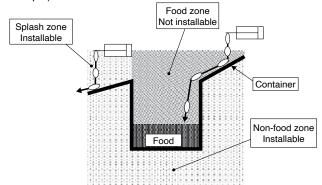
Splash zone $\ \cdots\cdots\$ An environment where food which will not

be sold as merchandize, directly touches the components of SMC products

Non-food zone \cdots An environment where there is no contact

with food

Example)





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