

Solves the troubles of ferrule joints by the effortless operation unique to CUPLA. Easy disassembly and cleanability help in hygienic management of HACCP.

- It can be connected by just inserting the plug to the socket and twisting the "Safety lock".
- . The "Safety lock" feature ensures that there can be no unintentional disconnection of the coupling.
- O-rings that conforms to the Food sanitation Act of Japan is adopted.
- · An operator friendly design. Seal parts will not drop off during connection like conventional fittings.
- Stainless steel (JIS SUS316L equivalent) for the liquid contact parts, and finished with buffing (#400).

Smart Connect and Disconnect



Specifications				
Body material	Stainless steel [SCS16 (JIS SUS316L equivalent)] *1			
Surface finish of the liquid-contact part	Buff finish #400			
Size of end configurations	Welding type *2		Ferrule type *3	
	1.5 S / 2.0 S			
Pressure unit	MPa	kgf/cm ²	bar	PSI
Working pressure	1.0	10	10	145
	Seal material	Mark	Working temperature range	Remarks
Seal material *4	Silicone rubber	SI	0°C to +110°C	Standard material
Working temperature range	Fluoro rubber	FKM (X-100)	0°C to +180°C	Available on request
	Ethylene-propylene rubber	EPDM (EPT)	0°C to +150°C	Available on request
0-ring size	1.5 S: P38, 2.0 S: P50 (Dimensions, tolerance: refer to JIS B 2401, Hardness: A70±5)			

*1: All metal parts are equivalent to SUS304 except those exposed to liquid contact.

The dimensions of the weld zone conform to JIS G 3447 stainless steel sanitary pipe Please use ferrule couplings conforming to IDF / ISO 2852. *2.

*4: The seal material conforms to article No.3-D-3-(1) Rubber utensils (except nursing utensils) or Containers / Packages. It has passed both material and elution tests specified in the Food sanitation Act and the standards for Food and Food additives (Notice No.370 of 1959 issued by the Ministry of Health and Welfare of Japan). Conforms to standard No.21CFR 177.2600 of the US Food and Drug Administration (FDA)

Flow Direction

Fluid flow can be bi-directional when socket and plug are connected.



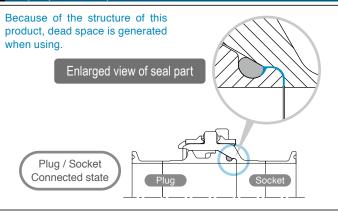
Interchangeability

Sockets and plugs can be connected regardless of end configurations if the size is same.

Suitability for Vacuum	Vacuum pressure: 53 kPa A		
Socket only	Plug only	Plug only When connected	
_	_	Operational	

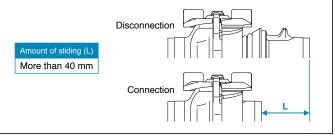
Vacuum performance may vary depending upon working environment and usage conditions

Seal part (cross section)



When installing the CUPLA on the pipe

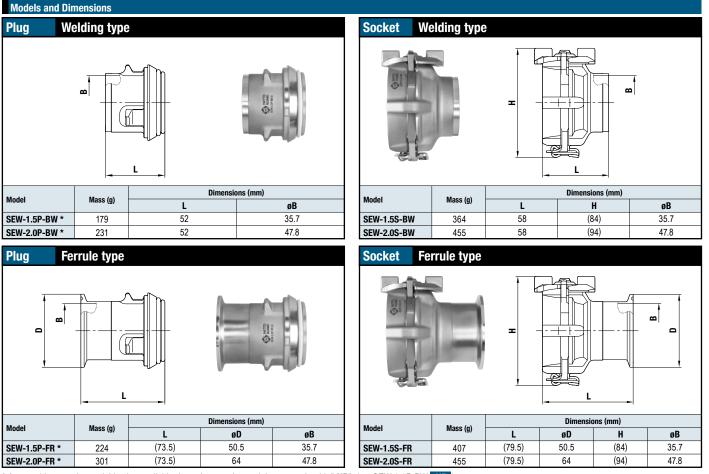
Connection and disconnection of socket and plug is enabled by sliding either the socket or plug to the central axis of pipe. When connecting the CUPLA to the pipe, ensure that there is at least minimum moving distance (L) in the axial direction



HACCP: Hazard Analysis and Critical Control Point

HACCP is the management system in which food safety is addressed to the process from production, procurement and handling of raw materials to distribution and consumption of finished products through the analysis and control of biological, chemical and physical hazards.

HYGIENIC CUPLA Easy Wash Type



* A type without seal material is also available. In such case, the model name ends with "-NP". (ex: SEW-2.0P-BW -NP

Applications



Easy assembly and disassembly

No tools are required to disassemble / assemble HYGIENIC CUPLA. Small number of parts that are easy to handle, aiding efficient maintenance.



Construction and Safety standards

Since the O-Ring is attached beforehand, it will not drop off during connection like conventional fittings. And the seal material conforms to article No. 3-D-3-(1) Rubber utensils (except nursing utensils) or Containers / Packages. It has passed both material and elution tests specified in the Food sanitation Act and the standards for Food and Food additives (Notice No.370 of 1959 issued by the Ministry of Health and Welfare of Japan). Also conforms to standard No. 21 CFR 177.2600 of the US Food and Drug Administration (FDA).



Easy washing of the whole unit

After disassembly, small number of components requires minimum effort when cleaning. No small parts to lose.



See page 150 for the details



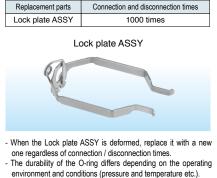
Safety Lock function

As a safety measure, the "Safety lock" feature ensures that there can be no unintentional disconnection of the CUPLA. By turning the cam handle, you can maintain the connected state of the socket and plug.

Consumables

The O-ring and Lock plate ASSY are consumable items. See the following list as a replacement guide for the Lock plate ASSY.

Replacement guide Replacement parts Co



Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.