For High Pressure

HSU CUPLA

Stainless steel CUPLA for high pressure up to 21.0 MPa {214 kgf/cm²}











The flow volume is increased by between 14 to 44% while at the same time the coupled length is reduced by at least 10% compared with the S210 CUPLA.

- Body material is excellent corrosion resistant stainless steel (SUS304). Suitable for use in tough / harsh environments such as offshore applications.
- Sleeve stopper mechanism can be engaged by rotating sleeve after connection.
- . Despite having a stainless steel body, the working pressure, 21.0 MPa, of HSU CUPLA is comparable to that of special steel body CUPLA such as HSP **CUPLA** series.
- . Both socket and plug have built-in automatic shut-off valves that prevent fluid outflow on disconnection.
- . Hydrogenated nitrile rubber (HNBR) is used as a seal material for wide variety of liquids.



Specifications								
Body material	Stainless steel (SUS304)							
Size (Thread)	1/4", 3/8", 1/2", 3/4", 1"							
Pressure unit	MPa kgf/cm² bar P					PSI		
Working pressure	21.0 214 210 3050							
Seal material	Seal material		Mark		Working temperature range			
Working temperature range	Hydrogenated nitrile re	rubber* HN		HNBR -2		20°C to +120°C		

The seal materials used in HSU CUPLA are not suitable for Freon gas.

Maximum Tightening Torque Nm {kgf						
Size (Thread)	1/4"	3/8"	1/2"	3/4"	1"	
Torque	28 {286}	35 {357}	70 {714}	100 (1020)	180 {1836}	

Flow Direction Fluid flow can be bi-directiona when socket and plug are connected.

Interchangeability

Socket and plug of different sizes cannot be connected.

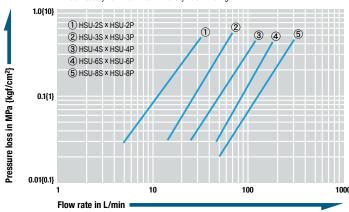
Minimum Cross-Sectional Area (m							
Model	HSU-2SP	HSU-3SP	HSU-4SP	HSU-6SP	HSU-8SP		
Minimum cross-sectional area	27.1	48.2	84.2	143.6	221.2		

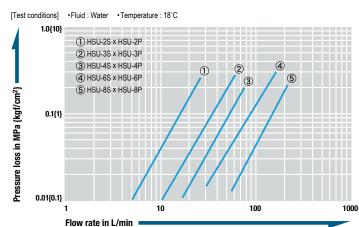
Suitability for Vacuum	× 10 ⁻¹ Pa {1 × 10 ⁻³ mmHg}	
Socket only	Plug only	When connected
_	_	Operational

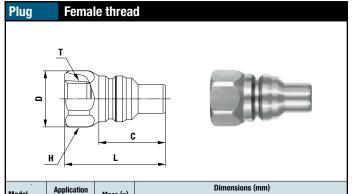
Admixture of Air on Connection May vary depending upon the usage conditions. (mL							
Model	HSU-8SP						
Volume of air admixture	0.7	1.5	3.6	6.3	10.9		

Volume of Spillage per Disconnection May vary depending upon the usage conditions. (n								
Model	HSU-8SP							
Volume of spillage	0.6	1.7	3.0	6.8	11.2			

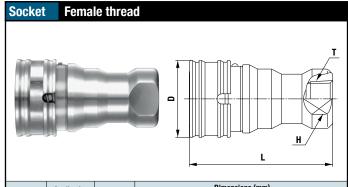
•Fluid : Hydraulic oil •Temperature : 30°C to 32°C •Fluid viscosity : 32 x 10⁻⁶ m²/s •Density : 0.87 x 10³ kg/m







Model	Application (Thread)	Mass (g)	Dimensions (mm)						
Wouei			L	C	øD	H (WAF)	T		
HSU-2P	R 1/4	49	45.5	27.5	21	Hex.19	Rc 1/4		
HSU-3P	R 3/8	86	51.5	32	26.5	Hex.24	Rc 3/8		
HSU-4P	R 1/2	152	59	39	33	Hex.30	Rc 1/2		
HSU-6P	R 3/4	295	74	51.5	42	Hex.38	Rc 3/4		
HSU-8P	R1	481	83	58	51	Hex.46	Rc 1		



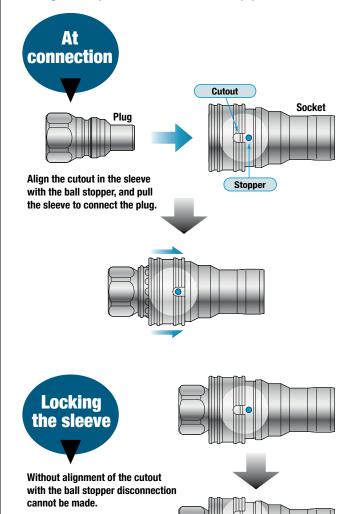
Model	Application Mana (a)		Dimensions (mm)						
Wouei	(Thread)	Mass (g)	L	øD	H (WAF)	T			
HSU-2S	R 1/4	142	63	28	19	Rc 1/4			
HSU-3S	R 3/8	255	71.5	35	24	Rc 3/8			
HSU-4S	R 1/2	479	84	45	30	Rc 1/2			
HSU-6S	R 3/4	953	106	55	38	Rc 3/4			
HSU-8S	R 1	1432	118	65	46	Rc 1			

Sleeve Stopper Mechanism

Models and Dimensions

Easy to operate sleeve stopper mechanism enhances operator safety.

Locked





Accidental disconnection is prevented.

The stopper is marked with blue for visual understanding.

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