

For High Pressure

S210 Cupla

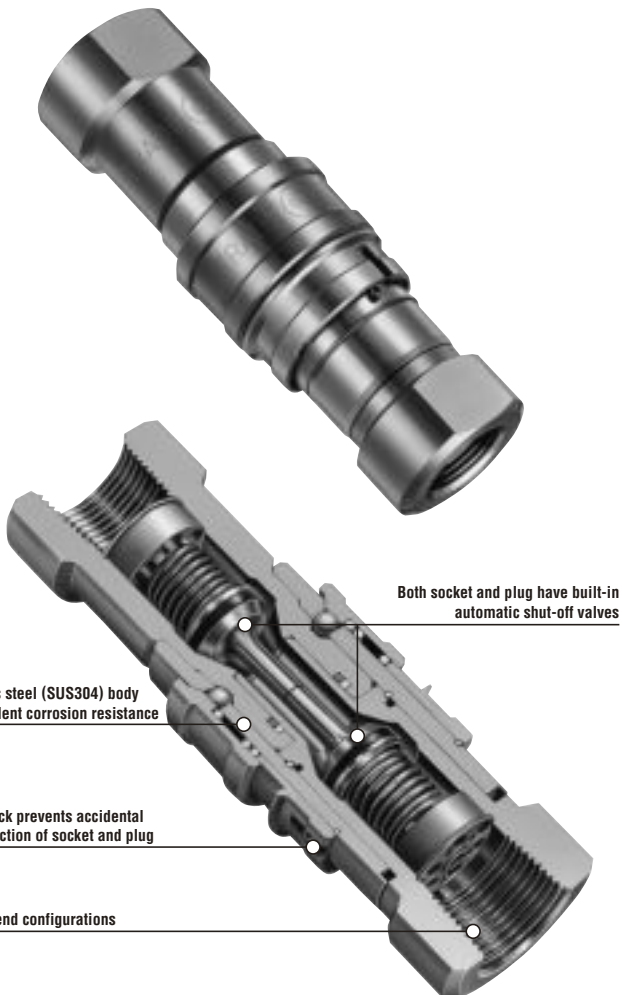
Stainless steel Cupla for high pressure up to 20.6 MPa (210 kgf/cm²)

Working pressure 20.6 MPa (210 kgf/cm ²)	Valve structure Two-way shut-off	Applicable fluids Water Hydraulic oil Gas
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Stainless steel for excellent corrosion resistance!

The unique “inner seal mechanism” accepts a working pressure up to 20.6 MPa.

- Body material is excellent corrosion resistant stainless steel (SUS304). Suited for use in tough conditions such as ocean development.
- Although it is made of stainless steel, the unique “inner seal mechanism” enables the working pressure of 20.6 MPa (210 kgf/cm²), the same as special steel's.
- Safety lock (accidental disconnection prevention mechanism) ensures tight and secured connection under vibration or impacts.
- Both socket and plug have built-in automatic shut-off valves that prevent fluid outflow on disconnection. Easy to handle.



Specifications				
Body material	Stainless steel (SUS304)			
Size (Thread)	1/4", 3/8", 1/2", 3/4", 1"			
Working pressure	MPa	20.6		
	kgf/cm ²	210		
	bar	206		
	PSI	2990		
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks
	Fluoro rubber	FKM (X-100)	-20°C to +180°C	Standard material
	Nitrile rubber	NBR (SG)	-20°C to +80°C	Made-to-order item

• The product comes with a dust cap.

Max. Tightening Torque				Nm (kgf·cm)	
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 may flow in either direction from plug or from socket side when coupled.

Interchangeability
Different sizes are not interchangeable.

Min. Cross-Sectional Area					(mm ²)
Model	S210-2SP	S210-3SP	S210-4SP	S210-6SP	S210-8SP
Min. cross-sectional area	24	47	84	153	233

Suitability for Vacuum		1.3 Pa (1 x 10 ⁻² mmHg)
Socket only	Plug only	When connected
—	—	Operational

Admixture of Air on Connection					Admixture of air may vary depending upon the usage conditions.	(mL)
Model	S210-2SP	S210-3SP	S210-4SP	S210-6SP	S210-8SP	
Volume of air	0.8	1.6	3.2	6.3	14.3	

