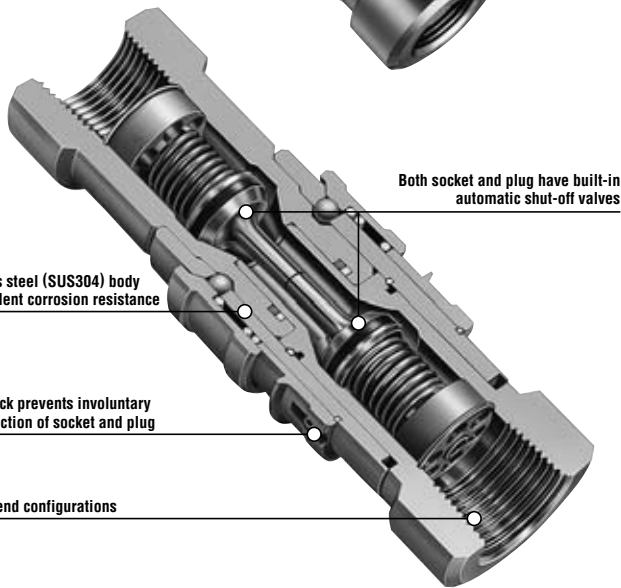


For Hydraulics

S210 Cupla

Stainless steel Cupla for high pressure up to 20.6MPa {210kgf/cm²}

Working pressure 20.6 20.6MPa {210kgf/cm ² }	Valve structure Two-way shut-off	Applicable fluids Water	 Hydraulic oil	 Gas	 Steam
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Stainless steel for excellent corrosion resistance!
The unique “inner seal mechanism” accepts a working pressure up to 20.6MPa.

- 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 20.6MPa {210kgf/cm²}, the same as steel's.
- Safety lock ensures tight and secured connection (preventing accidental involuntary disconnection) under vibration or impacts.
- Both socket and plug have built-in automatic shut-off valves that prevent fluid outflow on disconnection. Simple to handle.

Specifications

Body material	Stainless Steel (SUS304)			
Size	1/4" • 3/8" • 1/2" • 3/4" • 1"			
Working pressure MPa (kgf/cm ²)	20.6 (210)			
Pressure resistance MPa (kgf/cm ²)	31.0 (316)			
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks
	Fluoro rubber	FKM (X-100)	-20°C~+180°C	Standard material
	Nitrile rubber	NBR (SG)	-20°C~+80°C	Available on request

• The product comes with a dust cap.

Max. Tightening Torque

	N·m {kgf·cm}				
Size	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	26	47	84	153	233

Suitability for Vacuum

	1.3Pa {1 × 10 ⁻² mmHg}		
Socket only	—	Plug only	When connected
			Operational

Admixture of Air on Connection

	(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

Flow Rate – Pressure Loss Characteristics

[Test conditions] • Fluid : Hydraulic oil • Temperature : 30°C ± 5°C
 • Fluid viscosity : 32 × 10⁻⁶m²/s • Density : 0.87 × 10³kg/m³

