For Hydraulics

210 Cupla

For hydraulic pressure up to 20.6MPa {210kgf/cm²}



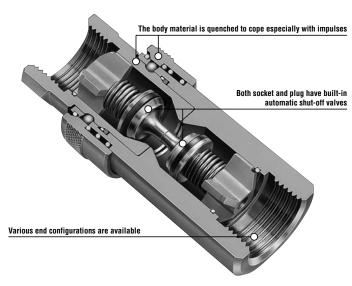






Hydraulic oil





Standard hydraulic Cuplas for general purposes with a working pressure up to 20.6MPa.

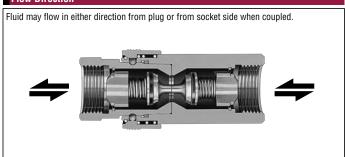
Low pressure loss, suitable for hydraulic equipment.

- General purpose hydraulic Cuplas with a working pressure of 20.6MPa{210kgf/cm²}.
- Structure is designed to reduce pressure loss to the lowest, and is best for hydraulic applications that need big flow rates.
- Both socket and plug have built-in automatic shut-off valves that prevent fluid outflow when disconnected. Easy to handle.

Specifications						
Body material	Special steel (Nickel-plated)					
Size	1/4" • 3/8" • 1/2" • 3/4" • 1"					
Working pressure MPa {kgf/cm²}	20.6 {210}					
Pressure resistance MPa {kgf/cm²}	31.0 {316}					
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks		
	Nitrile rubber	NBR (SG)	-20°C~+80°C	Standard material		
	Fluoro rubber	FKM (X-100)	-20°C~+180°C	Available on request		

Max. Tightening Torque N·m {kgf·cm}					ı {kgf•cm}
Size	1/4"	3/8"	1/2"	3/4"	1"
Torque	28 {286}	45 {459}	90 {918}	100 (1020)	180 {1836}

Flow Direction



Interchangeability

Different sizes are not interchangeable.

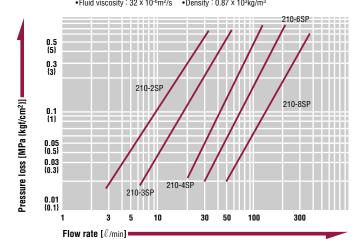
Min. Cross-Sectional Area (n					(mm²)
Model	210-2SP	210-3SP	210-4SP	210-6SP	210-8SP
Min. Cross-Sectional Area	24.5	42.8	77.4	146.5	235.6

Suitability for Vacuum		1.3Pa {1 x 10 ⁻² mmHg}
Socket only	Plug only	When connected
	_	Operational

Admixture of Air on Connection				(mℓ)	
Model	210-2SP	210-3SP	210-4SP	210-6SP	210-8SP
Volume of air	0.85	1.02	2.63	8.83	16.04

Flow Rate - Pressure Loss Characteristics

 $\begin{array}{lll} \hbox{ Fluid : Hydraulic oil & -Temperature : 30 °C $\pm 5 °C$} \\ \hbox{ & -Fluid viscosity : } 32 \times 10^{-6} \text{m}^2\text{/s} & \hbox{ & -Density : } 0.87 \times 10^{3} \text{kg/m}^3 \\ \end{array}$



Models and Dimensions WAF : WAF stands for width across flats

