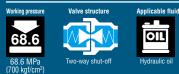
For High Pressure

700R Cupla

For hydraulic pressure up to 68.6 MPa {700 kgf/cm²}



High pressure Cupla for working pressures up to 68.6 MPa. Unique sleeve ring-lock system copes with vibration and impact when connected.

- Metal-touch valves use no rubber seal, and thus ensure excellent durability.
- Special sleeve ring-lock system maintains tight connection even under vibration or impact when connected.
- Both socket and plug have metal touch automatic shut-off valves that prevent fluid spill out on disconnection.



Specifications							
Body material		Special steel (Nickel-plated)					
Size (Thread)		3/8", 1/2"					
MPa		68.6					
Working pressure	kgf/cm²	700					
Working prossure	bar	686					
	PSI	9950					
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks		
		Nitrile rubber	NBR (SG)	-20°C to +80°C	Standard material		
		Fluoro rubber	FKM (X-100)	-20°C to +180°C	Made-to-order item		
Stand-alone leakage rate on either socket or plug		For 700R-3SP, 0.05 mL/min at 0.2 MPa {2 kgf/cm ² } For 700R-4SP, 0.05 mL/min at 0.3 MPa {3 kgf/cm ² }					

Max. Tightening Torque Nm {kg				
Size (Thread)	3/8"	1/2"		
Torque	40 {408}	85 {867}		

Flow Direction

Fluid may flow in either direction from plug or from socket side when coupled.



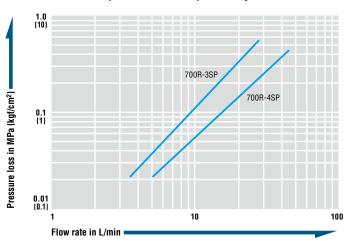
Interchangeability

Different sizes are not interchangeable.

Min. Cross-Sectional Area (mm ²				
Model	700R-3SP	700R-4SP		
Min. cross-sectional area	34	55		

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

Flow Rate – Pressure Loss Characteristics



Models and Dimensions

Plug	Fema	le threa	d						
Model					Dimensions (mm)				
Wouer	Application	Mass (g)	L	C	øD	H(WAF)	Т		
700R-3P	R 3/8	210	54	18	39.5	24	Rc 3/8		
700R-4P	R 1/2	418	70	22	50	27	Rc 1/2		

WAF : WAF stands for width across flats.

		/ .		Dimensio	Dns (mm)	_
Model	Application	Mass (g)	L	Dimensio	ns (mm) H(waf)	 T
Model 700R-3S	Application R 3/8	Mass (g) 270	L (73)			T Rc 3/8

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