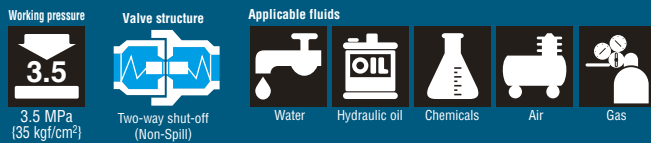


For Medium Pressure

Zerospill Cupla

Low spill type for medium pressure use



Unique seal design reduces both liquid spillage and air ingress.

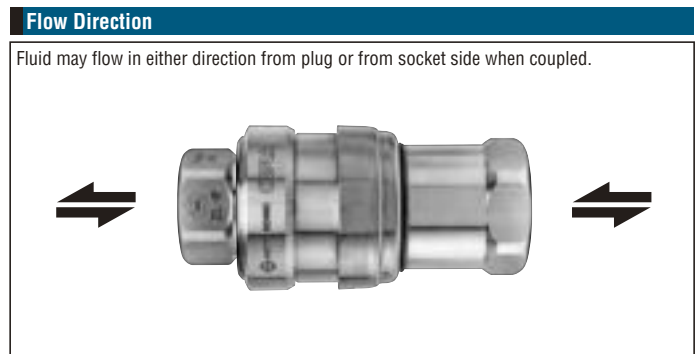
- New valve design offers smooth zero-friction movement.
- Push to connect design.
- The variety of body materials, sizes and end configurations has been standardized to comply with wide range of applications.
- Automatic shut-off valves in both socket and plug prevent fluid spill out on disconnection.



Specifications				
Body material		Brass, Stainless steel (SUS 304)		
Applicable fluids		Water, Hydraulic Oil, Air, Gas		
Size (Thread)		1/4", 3/8", 1/2", 3/4", 1"		
Working pressure	MPa	3.5		
	kgf/cm ²	35		
	bar	35		
	PSI	508		
Seal material Working temperature range		Seal material	Mark	Working temperature range
		Nitrile rubber	NBR (SG)	-20°C to +80°C
		Fluoro rubber	FKM (X-100)	-20°C to +180°C
		Ethylene-propylene rubber	EPDM (EPT)	-40°C to +150°C
				Remarks
				Standard material
				Standard material
				Standard material

Note: Applicable fluids depend on the body material and seal material.
Acceptable working temperature range depends on operating conditions.

Max. Tightening Torque				N m {kgf·cm}	
Size (Thread)		1/4"	3/8"	1/2"	3/4"
Torque	Brass	9 {92}	12 {122}	30 {306}	50 {510}
	Stainless steel	14 {143}	22 {224}	60 {612}	90 {918}
					120 {1224}



Interchangeability
Different size socket and plug cannot be connected to each other.

Min. Cross-Sectional Area					(mm ²)
Model	ZEL-2SP	ZEL-3SP	ZEL-4SP	ZEL-6SP	ZEL-8SP
Min. cross-sectional area	31	60.5	86.5	160.6	188.7

Suitability for Vacuum			1.3 x 10 ⁻¹ Pa {1 x 10 ⁻³ mmHg}
Socket only	Plug only	When connected	
—	—	Operational	

Admixture of Air on Connection					(mL)
Model	ZEL-2SP	ZEL-3SP	ZEL-4SP	ZEL-6SP	ZEL-8SP
Volume of air admixture	0.16	0.21	0.37	1.12	1.52

Volume of Spillage per Disconnection					(mL)
Model	ZEL-2SP	ZEL-3SP	ZEL-4SP	ZEL-6SP	ZEL-8SP
Volume of spillage	0.06	0.12	0.20	0.43	0.55

* Repeated connections and disconnections of Cuplas or the use of fluids with low viscosity may cause some spillage.

