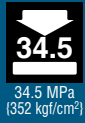


For High Pressure

# 350 Cupla

For hydraulic pressures up to 34.5 MPa {352 kgf/cm<sup>2</sup>}

Working pressure



Valve structure

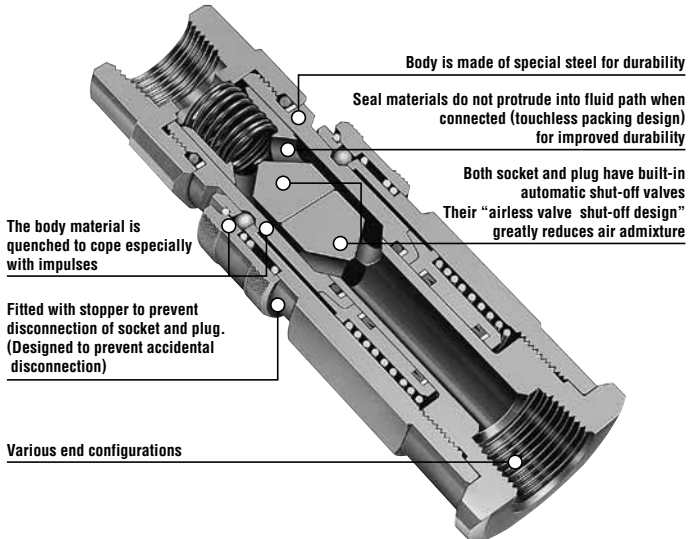


Applicable fluids



Their “airless valve shut-off design” greatly reduces air admixture! Ideal for hydraulic lines with larger pressure fluctuations.

- Locking mechanism to prevent accidental disconnection ensures tight connection even under vibration or impact.
- Both socket and plug have built-in automatic shut-off valves to prevent fluid spill out when disconnected. Easy to handle.



Specifications				
Body material	Special steel (Nickel-plated)			
Size (Thread)	1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"			
Working pressure	MPa	34.5		
	kgf/cm <sup>2</sup>	352		
	bar	345		
	PSI	5000		
Seal material	Seal material	Mark	Working temperature range	Remarks
	Fluoro rubber	FKM (X-100)	-20°C to +180°C	Standard material
Working temperature range	Nitrile rubber	NBR (SG)	-20°C to +80°C	Made-to-order item

Max. Tightening Torque		Nm (kgf-cm)							
Size (Thread)		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Torque		28 {286}	40 {408}	80 {816}	150 {1530}	250 {2550}	500 {5100}	500 {5100}	700 {7140}

**Flow Direction**

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

**Interchangeability**

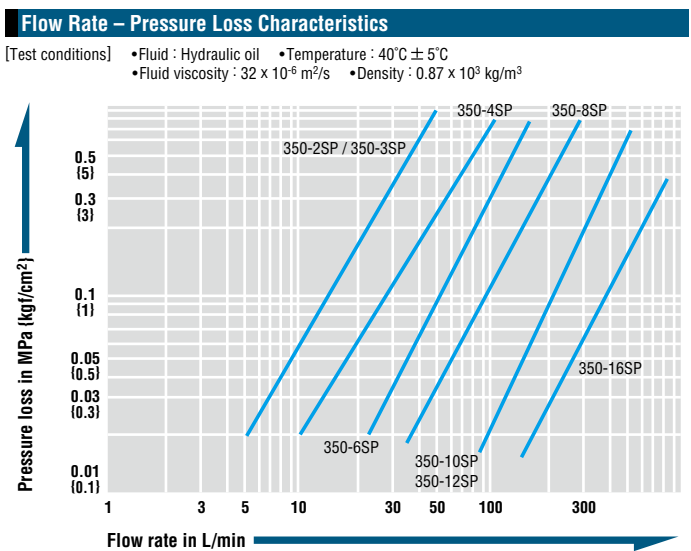
Different size socket and plug cannot be connected each other. However, 350-2SP with 350-3SP or 350-10SP with 350-12SP can be connected each other.

Min. Cross-Sectional Area		(mm <sup>2</sup> )							
Model		350-2SP	350-3SP	350-4SP	350-6SP	350-8SP	350-10SP	350-12SP	350-16SP
Min. cross-sectional area		34.2	34.2	73.0	149.6	227.0	452.4	452.4	907.9

**Suitability for Vacuum**

Not suitable for vacuum application in either connected or disconnected condition.

Admixture of Air on Connection		Admixture of air may vary depending upon the usage conditions. (mL)							
Model		350-2SP	350-3SP	350-4SP	350-6SP	350-8SP	350-10SP	350-12SP	350-16SP
Volume of air		0.1	0.1	0.2	0.3	0.5	0.9	0.9	2.0



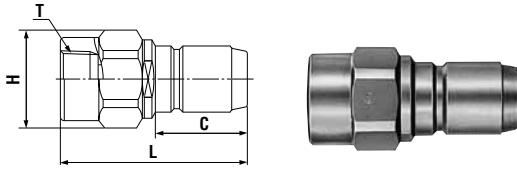
**⚠ Precautions for use**

Do not connect / disconnect Cuplas when pressure is applied or remaining.

Models and Dimensions

Product appearance may vary by size. / WAF : WAF stands for width across flats.

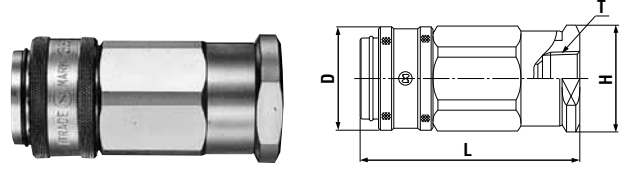
**Plug** Female thread



Model	Application	Mass (g)	Dimensions (mm)			
			L	C	H(WAF)	T
350-2P	R 1/4	170	(72)	36	Hex.27 x ø29	Rc 1/4
350-3P	R 3/8	167	(72)	36	Hex.27 x ø29	Rc 3/8
350-4P	R 1/2	245	85	40.5	Hex.27 x ø30	Rc 1/2
350-6P	R 3/4	473	(90)	44.5	Hex.41 x ø45	Rc 3/4
350-8P	R 1	1,035	(119)	57	Hex.50 x ø55	Rc 1
350-10P	R 1 1/4	2,700	(144)	75	Hex.70 x ø78	Rc 1 1/4
350-12P	R 1 1/2	2,600	(144)	75	Hex.70 x ø78	Rc 1 1/2
350-16P*	R 2	7,500	(198)	85.5	90 x ø105	Rc 2

\* Available on request  
 • G thread is available on request.

**Socket** Female thread



Model	Application	Mass (g)	Dimensions (mm)			
			L	øD	H(WAF)	T
350-2S	R 1/4	360	(82)	(34)	Hex.30	Rc 1/4
350-3S	R 3/8	353	(82)	(34)	Hex.30	Rc 3/8
350-4S	R 1/2	545	(93.5)	(41)	Hex.36	Rc 1/2
350-6S	R 3/4	976	(105.5)	(49)	46 x ø52	Rc 3/4
350-8S	R 1	1,740	(129)	(63)	55 x ø62	Rc 1
350-10S	R 1 1/4	5,600	(180)	89	Hex.80 x ø90	Rc 1 1/4
350-12S	R 1 1/2	5,500	(180)	89	Hex.80 x ø90	Rc 1 1/2
350-16S*	R 2	14,500	(239)	117	105	Rc 2

\* Available on request  
 • G thread is available on request.

Application Example



Hydraulic unit

Optional Accessory

# Purge Adapter

Metal Purge Adapter for hydraulic lines (Semi-standard)

• Can be attached to hydraulic lines to purge residual pressure effectively.

Model	PAD-2 (Part No.CB19855)
Applicable fluid	Hydraulic oil
Material	Steel (With autocatalytic nickel-phosphorus coating)
Working pressure	35.0 MPa, 357 kgf/cm <sup>2</sup> , 350 bar, 5080 PSI
Seal material	Nitrile rubber (NBR)
Working temperature range	-5°C to +80

When ordering, please indicate Model Name or part number.  
 Semi standard items: As these items are not always in stock, delivery time is subject to confirmation.

