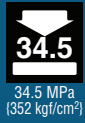


For High Pressure

350 Cupla

For hydraulic pressures up to 34.5 MPa (352 kgf/cm²)

Working pressure



Valve structure

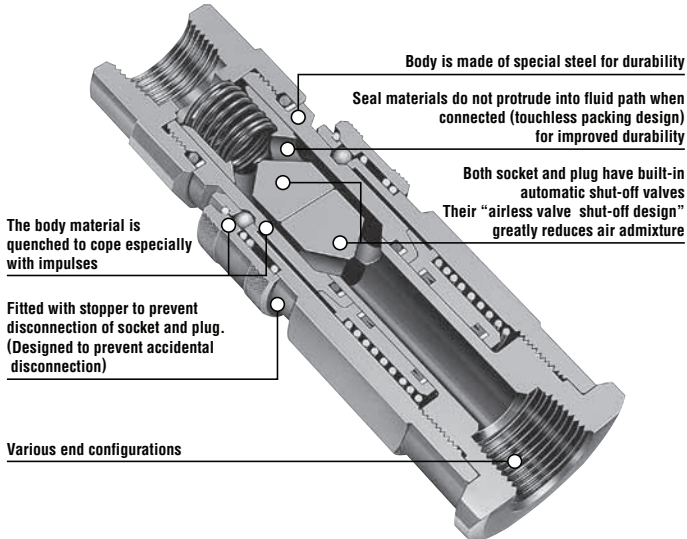


Applicable fluids



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 ²	352		
	bar	345		
	PSI	5000		
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Fluoro rubber	FKM (X-100)	-20°C to +180°C	Standard material
	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

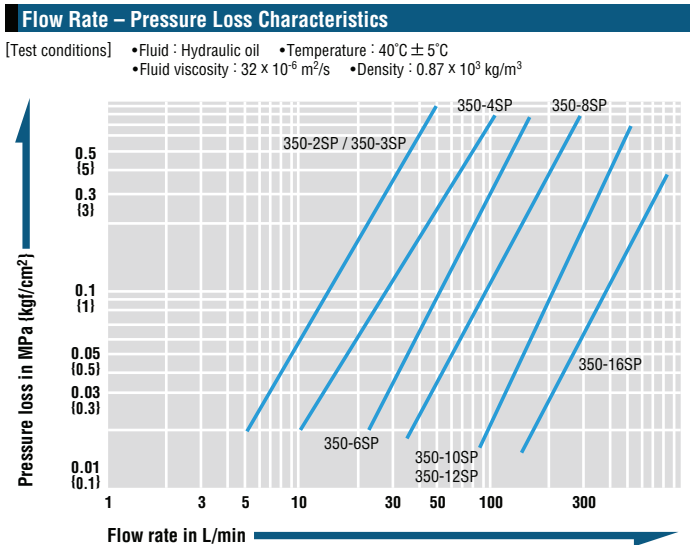
Different size socket and plug cannot be connected each other. However, 350-2SP with 350-3SP or 350-10SP with 350-12SP can be connected each other.

Min. Cross-Sectional Area		(mm ²)						
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



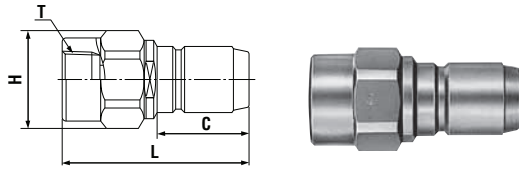
⚠ Precautions for use

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.

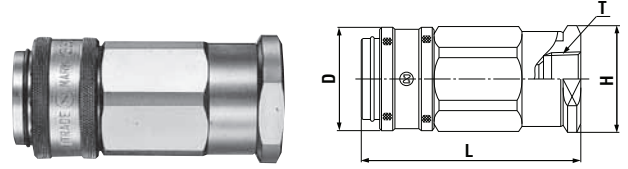
Plug Female thread



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 ² , 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.

