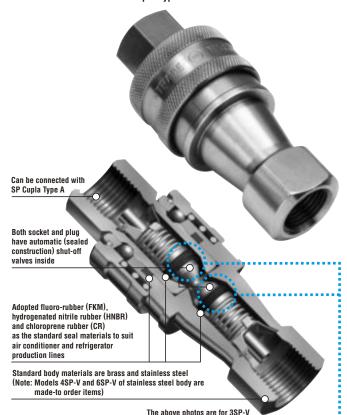
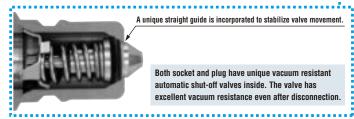
## For Inert Gas and Vacuum **SP-V Cupla** For vacuum

## **Automatic shut-off valves in both** socket and plug for vacuum applications. Each can withstand a vacuum of as high as 1.3 x 10<sup>-1</sup> Pa even when disconnected.

- Uses automatic shut-off valves with ultra-tight sealed construction in both socket and plug. Ideal for vacuum applications.
- Having automatic shut-off valves in both socket and plug facilitates easy fluid handling. Suitable for a wide range of vacuum applications as high as 1.3 x 10-1 Pa {1 x 10-3 mmHg} even when disconnected.
- Three types of seal material are available to suit any of the diversified production lines for air conditioners, refrigerators or similar.
- Can be connected with SP Cupla Type A.





Specifications							
Body material		Brass (Standard material)		Stainless steel (Standard material)	Stainless steel (Made-to-order item)		
Size (Thread)		1/4", 3/8"	1/2", 3/4"	1/4", 3/8"	1/2", 3/4"		
Working pressure	MPa	5.0	3.0	7.5	4.5		
	kgf/cm <sup>2</sup>	51	31	76	46		
	bar	50	30	75	45		
	PSI	725	435	1090	653		
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks		
		Chloroprene rubber	CR (C308)	-20°C to +80°C	Standard material		
		Fluoro rubber	FKM (X-100)	-20°C to +180°C	Standard material		
		Hydrogenated nitrile rubber	HNBR (H708)	-20°C to +120°C	Standard material		

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

Flow Direction
Fluid may flow in either direction from plug or from socket side when coupled.
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## Interchangeability

Socket and plug with different sizes cannot be connected to each other. Interchangeable with SP Cupla Type A but take heed of flow rate reduction.

Min. Cross-Sectional Area				(mm²)
Model	2SP-V	3SP-V	4SP-V	6SP-V
Min. cross-sectional area	18	38	71	110

Suitability for Vacuum	/acuum 1.3 x 10 <sup>-1</sup> Pa {1 x 10 <sup>-3</sup> mmHg		
Socket only	Plug only	When connected	
Operational	Operational	Operational	

Admixture of Air on Connection	(mL)			
Model	2SP-V	3SP-V	4SP-V	6SP-V
Volume of air	1.0	2.4	3.2	10.5

## [Test conditions] •Fluid : Water

