

Increased flow volume ratio

Compared with conventional SP Cupla, the flow volume is increased by 7 to 64%.

New self-aligned valve design provides better seal

The new design of the valve head makes smooth self-aligned return to its original position when socket and plug are disconnected. This mechanism enhances safety sealing of individual socket or plug when disconnected (1 to 8SP-A Type).



Smooth and prompt connection

The plug with the new body design enables smooth and prompt connection.

Adoption of stainless steel SUS304

SUS304 is adopted as the standard body material of stainless steel good for the applications that require high reliability.

*Stainless steel complying with other standard, equivalent to SUS304, may be used for some parts.

Interchangeability

Interchangeability of SP Type A with conventional SP is guaranteed, while no interchangeability with different sizes.

Flow characteristics

Regardless of the body materials, the flow characteristics remain the same.

Sleeve stopper (Optional. See the pages of Accessories for details)

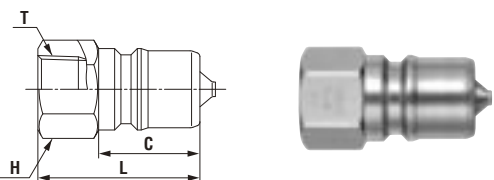
A sleeve snap-in stopper securely prevents accidental disconnection.

Products complied to RoHS requirements

Nickel plating is applied for the surface treatment of the steel body to reduce the load on environment.

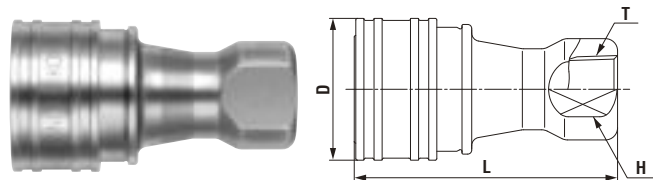
Models and Dimensions

WAF : WAF stands for width across flats.

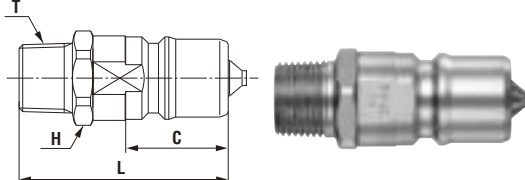
Plug		Female thread						
								
Model	Application	Mass (g)			Dimensions (mm)			
		Steel	Brass	Stainless steel	L	C	H(WAF)	T
1P-A	R 1/8	17 *1	19	17	29	19	Hex.14	Rc 1/8
2P-A	R 1/4	32	34	32	36	22	Hex.17	Rc 1/4
3P-A	R 3/8	56	61	56	40	25	Hex.21	Rc 3/8
4P-A	R 1/2	112	121	112	44	28	Hex.29	Rc 1/2
6P-A	R 3/4	190	205	190	52	36	Hex.35	Rc 3/4
8P-A	R 1	311	333	310	62	40	Hex.41	Rc 1
10P-A	R 1 1/4	590	630	620	70	45	Hex.54 *2	Rc 1 1/4
12P-A	R 1 1/2	870	920	880	75	49	Hex.63 *3	Rc 1 1/2
16P-A	R 2	1540	1640	1560	80	52	77 x ø84	Rc 2

* The photos above show steel coupling. * The appearance of stainless steel coupling (SUS304) differs slightly from that shown in the photos above.

*1 1P-A and 1S-A are made-to-order items. *2 Stainless steel: 54 x ø59 *3 Stainless steel: 63 x ø67

Socket		Female thread						
								
Model	Application	Mass (g)			Dimensions (mm)			
		Steel	Brass	Stainless steel	L	øD	H(WAF)	T
1S-A	R 1/8	73 *1	79	75	48	24	14	Rc 1/8
2S-A	R 1/4	119	128	130	58	28	19	Rc 1/4
3S-A	R 3/8	187	202	193	65	35	21	Rc 3/8
4S-A	R 1/2	368	397	391	72	45	29	Rc 1/2
6S-A	R 3/4	639	686	645	88	55	35	Rc 3/4
8S-A	R 1	951	1024	962	102	65	41	Rc 1
10S-A	R 1 1/4	1430	1520	1440	115	77	54	Rc 1 1/4
12S-A	R 1 1/2	2130	2270	2150	124	88	63	Rc 1 1/2
16S-A	R 2	3280	3510	3310	132	108	77	Rc 2


*4 Model 8P-M-A indicates an approximate insertion length because there is no difference in level on the body.

Plug		Male thread						
								
Model	Application	Mass (g)			Dimensions (mm)			
		Brass			L	C	H(WAF)	T
1P-M-A	Rc 1/8	24			40	19	Hex.14	R 1/8
2P-M-A	Rc 1/4	41			44	22	Hex.17	R 1/4
3P-M-A	Rc 3/8	71			51	25	Hex.21	R 3/8
4P-M-A	Rc 1/2	149			62	28	Hex.27	R 1/2
6P-M-A	Rc 3/4	295			75	36	Hex.35	R 3/4
8P-M-A	Rc 1	406			83	40 *4	Hex.41	R 1

Accessory

Cupla Adapter for Braided Hose Connection

Can be screwed into Cuplas with female threads, 3/8", 1/2", 3/4"



See page 139 for the details.

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