

Two-way Shut-off Type Small Size Cuplas

For temperature controllers

Working pressure

1.0
1.0 MPa
(10 kgf/cm²)

1.5
1.5 MPa
(15 kgf/cm²)

Valve structure



Two-way shut-off

Applicable fluids



Water

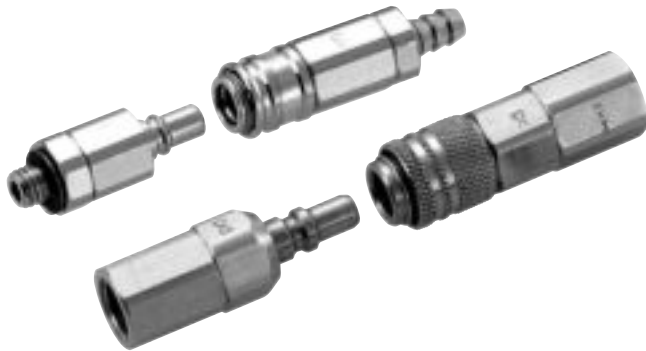


Gas



Air

- Push-to-connect operation.
- Both socket and plug have built-in automatic shut-off valves to prevent fluid spill out when disconnected.
- Easy connection even in a restricted area.
- Lightweight feature will allow you easy design of multiple piping.



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

Specifications

Body material		MYU Cupla		Little Cupla	
		Stainless steel, Brass (Nickel-plated)		Stainless steel	
Size (Thread)		Please check with us.			
Working pressure	MPa	1.0		1.5	
	kgf/cm ²	10		15	
	bar	10		15	
	PSI	145		218	
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks
		Nitrile rubber	NBR (SG)	-20°C to +80°C	Available on request
		Ethylene-propylene rubber	EPDM (EPT)	-40°C to +150°C	
		Fluoro rubber	FKM (X-100)	-20°C to +180°C	

Two-way Shut-off Type Small Size Cupla Series

Please check with us about the end configurations and sizes.

MYU Cupla / MYU type

Min. Cross-Sectional Area: 4.9 mm² (Ø2.5)

OD
10 mm

Plug



Socket



Little Cupla / MSV type

Min. Cross-Sectional Area: 6.1 mm² (Ø2.8)

OD
14 mm

Plug



Socket



TSP-HP Cupla for High Pressure

For high pressure and general purposes

Working pressure

9.0
9.0 MPa
(92 kgf/cm²)

Valve structure



Straight through

Applicable fluids



Water



Hydraulic oil

- Good for high pressure water piping such as in high pressure washers, or car washers.
- Valveless type ensures high flow rate.



Specifications

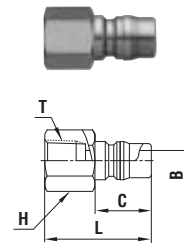
Body material		Stainless steel			
Size (Thread)		1/4", 3/8", 1/2"			
Working pressure	MPa	9.0			
	kgf/cm ²	92			
	bar	90			
	PSI	1310			
Seal material		Seal material	Mark	Working temperature range	Remarks
Working temperature range		Nitrile rubber	NBR (SG)	-20°C to +80°C	Available on request
		Ethylene-propylene rubber	EPDM (EPT)	-40°C to +150°C	

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Models and Dimensions

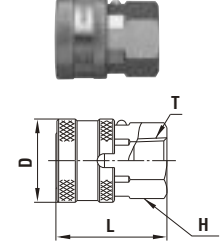
WAF : WAF stands for width across flats.

Plug TPF type (Female thread)



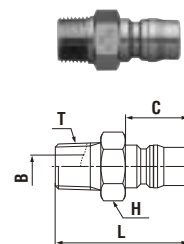
Model	Application	Dimensions (mm)					
		L	H(WAF)	C	T	ØB	
2TPF-HP	R 1/4	34	Hex.17	18	Rc 1/4	6.5	
3TPF-HP	R 3/8	38	Hex.21	21	Rc 3/8	10	
4TPF-HP	R 1/2	47.5	Hex.29	26.5	Rc 1/2	13	

Socket TSF type (Female thread)



Model	Application	Dimensions (mm)					
		L	ØD	H(WAF)	T		
2TSF-HP	R 1/4	32	24	Hex.19	Rc 1/4		
3TSF-HP	R 3/8	35	28	Hex.23	Rc 3/8		
4TSF-HP	R 1/2	44.5	35	Hex.29	Rc 1/2		

Plug TPM type (Male thread)



Model	Application	Dimensions (mm)					
		L	H(WAF)	C	T	ØB	
2TPM-HP	Rc 1/4	38	Hex.17	18	R 1/4	6.5	
3TPM-HP	Rc 3/8	43	Hex.19	21	R 3/8	10	

⚠ Precautions for use

⚠ Warning

Do not connect with standard TSP Cupla (Page 71 to 74).