High Flow Cupla

For Medium Pressure

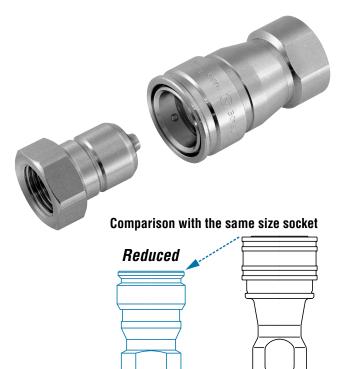






Drastically increases flow volume while minimising pressure drop.

- Both socket and plug have built-in automatic shut-off valves.
- High flow rate type to increase cooling effect.
- Quick connection and disconnection of cooling pipes.
- Compact and space-saving design. Compared with the coupled length of SP Cupla type A, that of High Flow Cupla is reduced by 22%.
- Installation and maintenance can be done within a short time.



Specifications							
Body material	Stainless steel, Brass						
Size (Thread)	1/4", 3/8", 1/2"						
Pressure unit	MPa	ı	kgf/cm²	bar	bar PSI		
Working pressure	1.0		10	10		145	
Seal material Working temperature range	Seal material		Mark		Working temperature range		
	Ethylene-propylene rubber		EPDM		-40°C to +150°C		
	Fluoro rubber		FKM		-20°C to +180°C		

• Standard seal material is fluoro rubber for brass body.

Max. Tightening Torque Nm {kgf•cm}					
Model		HFL-2P / HFL-2S	HFL-3P / HFL-3S	HFL-4P / HFL-4S	
Torque	Stainless steel	14 {143}	22 {224}	60 {612}	
	Brass	9 {92}	12 {122}	30 {306}	

Flow Direction Fluid flow can be bi-directional when socket and plug are connected.

Socket

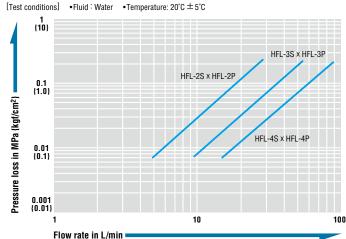
Different sized sockets and plugs cannot be connected to each other.

Min. Cross-Sectional A					
Model	HFL-2P / HFL-2S	HFL-3P / HFL-3S	HFL-4P / HFL-4S		
Min. Cross-Sectional Area	32	53	91		

Suitability for Vacuum	1.3	1.3 x 10 ⁻¹ Pa {1 x 10 ⁻³ mmHg}		
Socket only	Plug only	When connected		
_	_	Operational		



Female thread



Models and Dimensions Plug Female thread

High Flow Cupla HFL-4S

SP Cupla Type A

Model	Application	Mass (g)		Dimensions (mm)				
		Brass	Stainless steel	L	C	øD	H(WAF)	T
HFL-2P	R 1/4	31	28	30	16.5	18.5	Hex.17	Rc 1/4
HFL-3P	R 3/8	47	43	31	18	23	Hex.21	Rc 3/8
HFL-4P	R 1/2	91	82	37.5	22.5	32	Hex.29	Rc 1/2

Mass (g) Dimensions (mm) Model Application Brass H(WAF) øD HFL-2S R 1/4 110 99 (47)Rc 1/4 HFL-3S R 3/8 165 150 (49) 32 Rc 3/8 24 HFL-4S R 1/2 231 211 60 35 29 Rc 1/2

WAF: WAF stands for width across flats

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