For Low Pressure

Mold Cupla

General purpose and mold coolant port coupling











Designed for quick replacement for die and mold! Rust resistant models having many variations.

- Space saving design for molds with closely spaced coolant ports.
- Long sleeve socket facilitates connection/disconnection with plug embedded in mold.
- Various sizes and end configurations to suit a wide variety of mold applications.
- Can be connected with Super Cuplas, excluding K3 and K4 types.
- Push-to-connect design. (Built-in automatic shut-off valve)
 Also available is Cupla without valve. (please specify the basic model).





Specifications						
Body material	Brass					
Size	1/8" • 1/4" • 3/8"					
Working pressure MPa {kgf/cm²}	1.0 {10}					
Pressure resistance MPa {kgf/cm²}	1.5 {15}					
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks		
	Nitrile rubber	NBR (SG)	-20°C~+80°C	Standard material		
	Fluoro rubber	FKM (X-100)	-20°C~+180°C	Available on request		

Max. Tightening Torque N⋅m {kgf·				
Size	1/8"	1/4"	3/8"	
Torque	5 {51}	9 {92}	11 {112}	

Flow Direction

Fluid may flow in either direction from plug or from socket side when coupled.



Interchangeability

Sockets and plugs can be connected regardless of end configurations and sizes. Can be connected to Super Cupla.

Min. Cross-Sectional Area (mm							
Plug	K02SH	K03SH	K02SM	K03SM	K02SF	K02SHL	K03SHL
K02PH	15.5	15.5	15.5	15.5	15.5	15.5	15.5
K03PH	15.5	28	28	28	28	15.5	28
K01PM	15.5	23	23	23	23	15.5	23
K02PM	15.5	28	28	28	28	15.5	28
K03PM	15.5	28	28	28	28	15.5	28
K01PF	15.5	28	28	28	28	15.5	28
K02PF	15.5	28	28	28	28	15.5	28
K03PF	15.5	28	28	28	28	15.5	28
K01PML	15.5	19	19	19	19	15.5	19
K02PML	15.5	28	28	28	28	15.5	28
K03PML	15.5	28	28	28	28	15.5	28

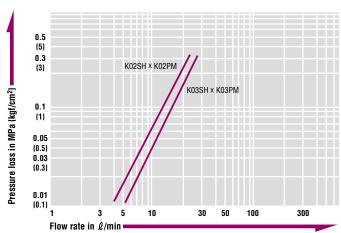
Suitability for Vacuum

Not suitable for vacuum application in either connected or disconnected condition.

Plug Embedment Dimensions (mm)							
		Model	D*	C*	L	Remarks	
L C	_	K01PM	20 or more	0~3	28	* Socket interference prevents connection/disconnection	
	<u> </u>	K02PM	20 or more	0~3	29	when C exceeds 3mm. * Size D should be bigger than the outer diameter of the	
	+ -0	КОЗРМ	20 or more	0~3	30	socket wrench to be used. (See JISB4636-1, JISB4636-2)	

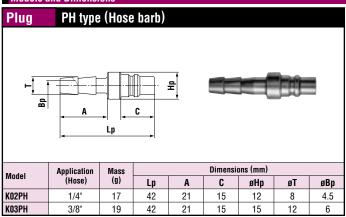
Flow Rate - Pressure Loss Characteristics

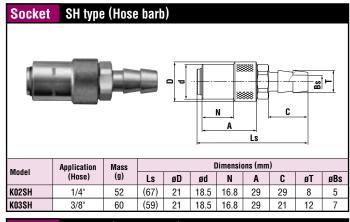
[Test conditions] •Fluid : Water •Temperature : Room temperature

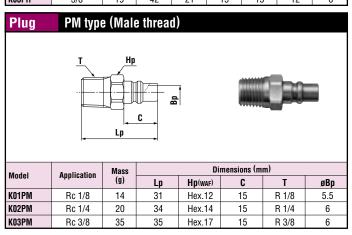


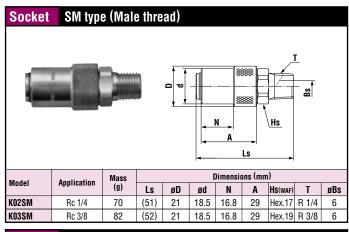
61 NITTO KOHKI CO., LTD.

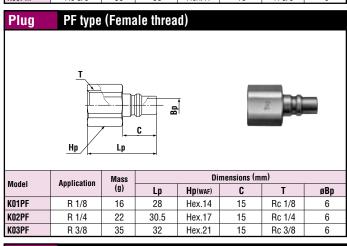
Models and Dimensions WAF: WAF stands for width across flat.

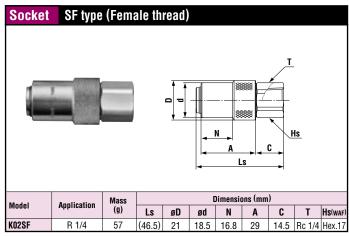


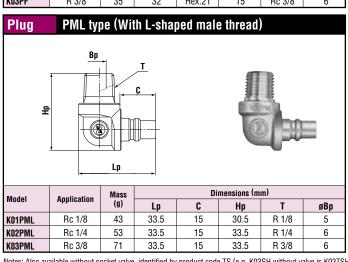


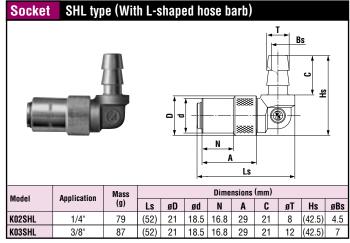












Notes: Also available without socket valve, identified by product code TS (e.g. K03SH without valve is K03TSH). Also available are Cuplas with sleeve stopper (Made-to-order item).