

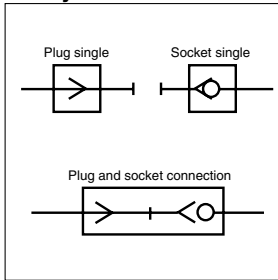
Related  
equipment

# S Coupler Series KK

Large effective area  
Light weight



JIS symbol



Specifications

Fluid	Air, water (standard industrial water)
Operating pressure range	0 to 1.0MPa
Proof pressure	1.5MPa
Ambient and fluid temperature	Air: -5 to 60°C Water: 5 to 40°C
Plating, seal	With electroless nickel plated (For copper free application), With male thread seal

Efficiency

Plug socket connection method	One-tough installation and removal
Check valve	Socket: Built-in check valve (standard)
Sleeve lock mechanism	Manual locking type (standard)

Effective area

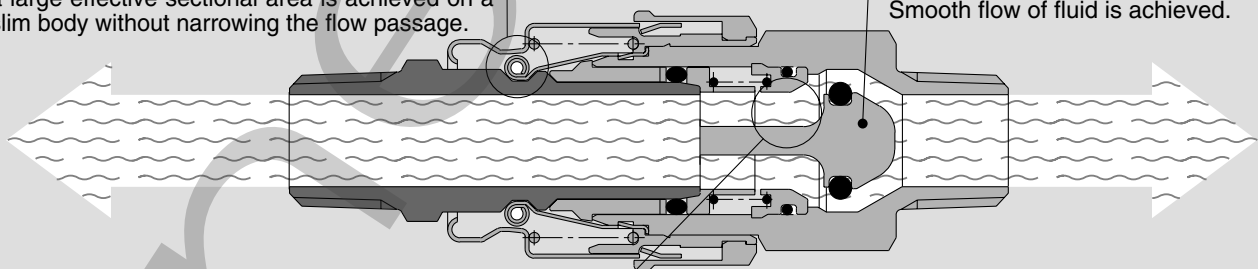
Body size	Plug	Socket	Effective area mm <sup>2</sup>
1/4	KK4P-02MS	KK4S-02MS	39

Adoption of original connection holding method

Since the construction does not use steel balls, a large effective sectional area is achieved on a slim body without narrowing the flow passage.

Shape of the check valve tip considering flow rectification effect

Smooth flow of fluid is achieved.



Construction without a spring installed in the flow passage

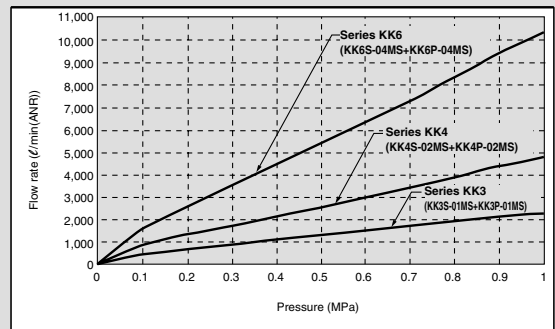
Because the flow passage is not blocked by a valve spring, the effective sectional area is used more efficiently.

Light weight

The weight is minimized by adoption of stamped parts and resin parts as well as miniaturization of the body.


PAT.

Flow characteristics




**Plug (P)**

**Male thread type**


	Body size	Port size	Model
	1/4	R 1/4	<b>KK4P-02MS</b>

**Socket (S)**


**Male thread type**

	Body size	Port size	Model
	1/4	R 1/4	<b>KK4S-02MS</b>
		R 3/8	<b>-03MS</b>
		R 1/2	<b>-04MS</b>


**Female thread type**

	Body size	Port size	Model
	1/4	Rc 1/4	<b>KK4S-02F</b>
		Rc 3/8	<b>-03F</b>


**Type with nut fitting (for polyurethane hose containing cloth)**

	Body size	Applicable hose bore size/O.D. mm	Model
	1/4	8/12	<b>KK4S-80N</b>
		8.5/12.5	<b>-85N</b>

**Straight union type with one-touch fitting**

	Body size	Applicable tube O.D. mm	Model
	1/4	10	<b>KK4S-10H</b>
		12	<b>-12H</b>

**Elbow type with one-touch fitting**

	Body size	Applicable tube O.D. mm	Model
	1/4	10	<b>KK4S-10L</b>
		12	<b>-12L</b>