

SP COUPLERS



Uses

• This coupler is to be applied to piping and equipment for steam, oil, chemicals, and air.

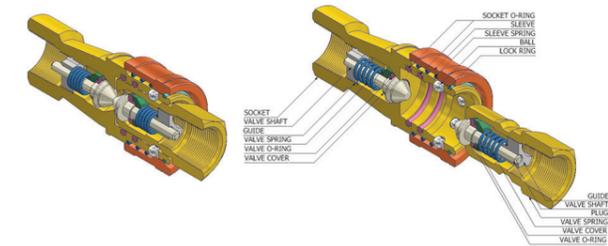
Features

- Widely used for vacuum applications. Easily handles fluids and vacuum resistant at 10mmHg when separated.
- On-off valves are built into both the socket and the plug. This medium-to-high pressure coupler is durable and hermetic compared to existing couplers.
- High safety, two-way on-off type coupler.

Specifications

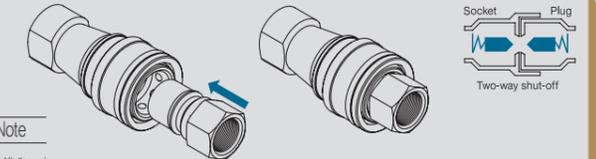
Operating fluids	Air, Water, Gasoline, Oil, Steam
Material	Brass
Operating pressure	Rc 1/8~Rc 3/8 : 0~50kgf/cm ² (5000kPa) Rc 1/2~Rc 1 : 0~30kgf/cm ² (3000kPa)
Operating temperature range	-20 ~ 80°C

Structural drawing



Example of uses

- ▶ **Compatibility** : Coupler of different sizes cannot be connected.
- ▶ **Direction of attaching and fastening of coupler** : Fluid flows through either plug or socket. Minimum cross-sectional area (mm²)



Product name	01 SP	02 SP	03 SP	04 SP	06 SP	08 SP	Note
Minimum cross-sectional area	10	25	43	90	180	305	FKM/Viton

CAUTIONS

- Be sure to note the precautions and warnings of the coupler before use.
- The SP coupler may not be fastened due to manufacture to different specifications. Please contact us to select and use the product.

WARNINGS

- Avoid attaching or detaching the coupler under pressurized conditions. Please note that this may cause damage to the device and human life.
- Be aware that artificially applied curvature, tension, and impact may cause damage.
- Do not rotate the coupler in order to use as a replacement for the rotary or swivel joints.
- Avoid using a coupler when a big vibration or impact applied by tools or devices may cause shock.
- May be difficult to fasten a coupler under residual pressure, so completely release the residual pressure before fastening.
- Do not arbitrarily disassemble the coupler.

Product Code System

SP COUPLER	THREAD SIZE		COUPLING FORM	
	SIZE	S	P	TYPE
	01	Rc 1/8	Rc 1/8	S Socket
	02	Rc 1/4	Rc 1/4	P Plug
	03	Rc 3/8	Rc 3/8	
	04	Rc 1/2	Rc 1/2	
	06	Rc 3/4	Rc 3/4	
	08	Rc 1	Rc 1	

Product model Number



MODEL(T)
Thread Rc
SP 01S
SP 02S
SP 03S
SP 04S
SP 06S
SP 08S

MODEL(T)
Thread Rc
SUS-SP 01S
SUS-SP 02S
SUS-SP 03S
SUS-SP 04S
SUS-SP 06S
SUS-SP 08S



MODEL(T)
Thread Rc
SP 01P
SP 02P
SP 03P
SP 04P
SP 06P
SP 08P

MODEL(T)
Thread Rc
SUS-SP 01P
SUS-SP 02P
SUS-SP 03P
SUS-SP 04P
SUS-SP 06P
SUS-SP 08P