

SP COUPLERS



Product Code System

SP COUPLER

SP 01 S

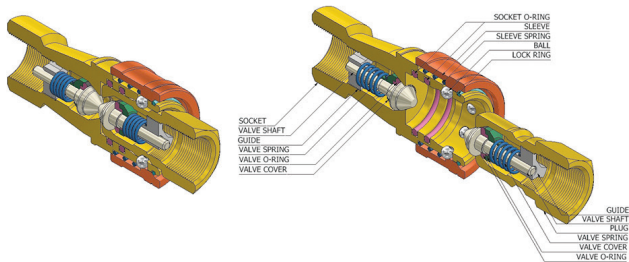
THREAD SIZE			COUPLING FORM	
SIZE	S	P	CODE	TYPE
01	Rc1/8	Rc1/8	S	Socket
02	Rc1/4	Rc1/4		
03	Rc3/8	Rc3/8		
04	Rc1/2	Rc1/2		
06	Rc3/4	Rc3/4		
08	Rc1	Rc1	P	Plug

- 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 <sup>2</sup> (5000kPa) Rc 1/2~Rc 1 : 0~30kgf/cm <sup>2</sup> (3000kPa)
Operating temperature range	-20 ~ 80℃

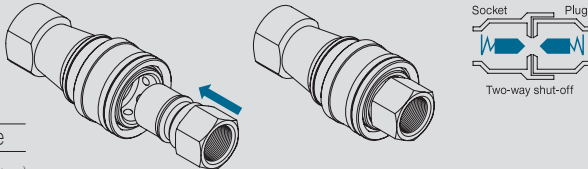
Structural drawing



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 (mm<sup>2</sup>)

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 model Number



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

