

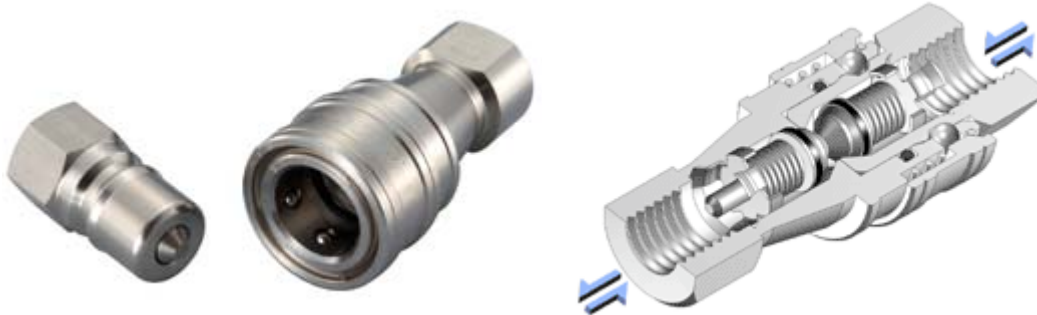
SP-V TYPE

Medium pressure, Twin valve Vacuum Type

Both socket and plug have automatic shut-off valves for wide range of vacuum applications down to 1.3×10^{-1} Pa.

[The double O-ring Type is available.](#)

Interchangeable with SP types but restricts flow.



When disconnecting, both socket and plug are sealed by automatic shut off valves instantly. When connecting, automatic shut off valves are open and the socket is sealed by O-ring. Fluid can flow from both socket and plug.

Packing material should be selected for the applicable fluid; please consult us for suitable packing material.

When connecting to a female thread or a hose, please use a nipple.

Different sizes are not interchangeable.

Caution:

- Do not connect or disconnect couplings under pressure.
- Don't apply pressure on a socket or a plug when disconnecting. This may cause the valve blown out.
- Don't hit the top of valve with hammer or other tools. This may cause leakage or malfunction.
- Don't use for water-glycol fluid, which damages to the plating and O-ring.
- When mounting on the male thread, excessive tightening may cause the crack of the coupling.
- Scraps of the seal tape and dust causes fluid leakage. Be careful not to stick them on the couplings.
- Putting dust covers on a socket and a plug is recommendable, when they are disconnected

Specification

Model	01V	02V	03V	04V
Nominal Size	1/8"	1/4"	3/8"	1/2"
Nominal pipe size (mm)	6	8	10	15
Body material	Brass, Stainless steel (SUS304)			
Connection	Female thread (F) only			
Packing material	Standard	Neoprene (CR) :-20°C to +80°C		
	Option	Fluororubber (FPM) :-20°C to +180°C		
		Nitrile rubber hydride(H-NBR) :-20°C to +120°C		
Normal pressure	Brass	5.0MPa		3.0MPa
Max. pressure		7.5MPa		4.5MPa

Normal pressure	Stainless	7.5MPa	4.5MPa
Max. pressure		10.0MPa	6.5MPa
Applicable fluid		CR : R12/22, Helium, Nitrogen, Air	
		FPM : R12, Helium, Nitrogen, Air	
		H-NBR : R134a	

Packing material and Working temperature's range

Packing material	Neoprene	Nitrile rubber hydride
Mark	CR	H-NBR
Temperature	-20°C to + 80°C	-20°C to + 120°C
Advantage	Resistant to CFC-12, HCFC-22 and HFC-134a	Resistant to HFC-134a, R410A, R407C and R404A
Application	Air conditioner	Air conditioner Refrigeration

Flow's smallest area

Model	01V	02V	03V	04V
Smallest area	15	23.1	52	98.2