

## SP-V Type (Vacuum)

### Medium pressure , Twin Valve Vacuum Type

- Both socket and plug have automatic shut-off valves for wide range of vacuum applications down to  $1 \times 10^{-3}$  mmHg.
- 3 kinds of packing materials are suitable to be used for air-conditioner and refrigerator production lines.

- \* When ordering, please advise application, fluid, pressure, temperature and so on.
- \* Fluid can flow both socket and plug.
- \* Different sizes are not interchangeable.
- \* When connecting to female thread or hose, please use a nipple.
- \* Interchangeable with SP types but restricts flow.



### Caution

Do not connect or disconnect couplings under pressure.

Do not apply pressure on socket or plug under disconnected. This may cause the valve to be blown out.

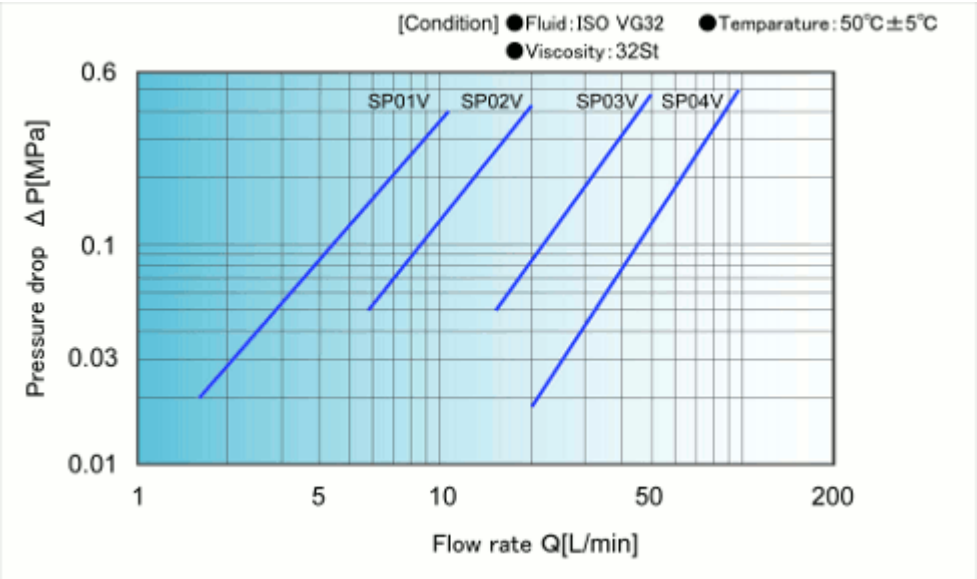
Do not hit top of valves with hammer or other tools. This may cause leakage or malfunction.

When mounting on male thread, excessive tightening may cause the crack of coupling. Scraps of the seal tape and dust causes fluid leakage. Be careful not to stick them to the couplings.

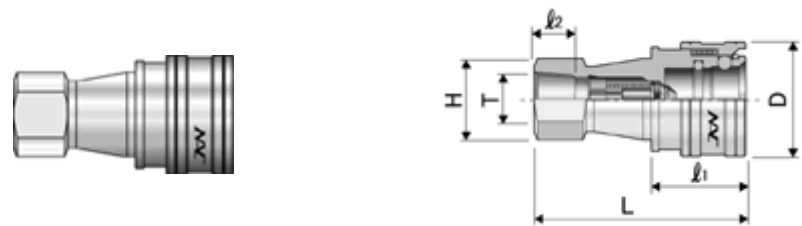
## Specification

Model		01V	02V	03V	04V
Nominal size		1/8"	1/4"	3/8"	1/2"
Body material		Brass(BSBM) , Stainless steel(SUS304)			
Connection		Female thread (F)only			
Normal pressure, MAX. pressure MPa(kgf/cm <sup>2</sup> )	Brass	5.0(50) 7.5(75)			3.0(30) 4.5(45)
	Stainless steel	7.5(75) 10(100)			4.5(45) 6.5(65)
Packing material	Standard	Neoprene(CR) :-20°C to +80°C			
	Option	Viton(FPM) :-20°C to +180°C Nitrile rubber hydride(H-NBR) :-20°C to +120°C Ethylene-propylene rubber(EPDM) , Nitrile rubber(NBR) :-20°C to +80°C			
Applicable fluid		CR : R12/22 , Helium , Nitrogen , Air FPM : R12 , Helium , Nitrogen , Air H-NBR : R134a			








Flow rate-Pressure drop characteristic table



SP-V Type Stainless steel (SUS304) Socket



Specification



Model	Application	Dimensions(mm)						Weight (g)
		L	 D	H	 l1	 l2	T	
CSP01S3V	R 1/8"	48	24	 18/Face14	16.5	10	Rc 1/8"	79
CSP02S3V	R 1/4"	58	28	 22/Face17	17.5	13	Rc 1/4"	128
CSP03S3V	R 3/8"	65	35	 25/Face21	20	14	Rc 3/8"	195
CSP04S3V	R 1/2"	72	45	 35/Face29	25.5	16	Rc 1/2"	400

Standard Packing material : Neoprene(CR)

SP-V Type Stainless steel (SUS304) Plug



Specification

Model	Application	Dimensions(mm)					Weight (g)
		L	Hex			T	
CSP01P3V	R 1/8"	29	14	19	10	Rc 1/8"	18
CSP02P3V	R 1/4"	36	17	22	13	Rc 1/4"	33
CSP03P3V	R 3/8"	40	21	25	14	Rc 3/8"	58
CSP04P3V	R 1/2"	44	29	28	16	Rc 1/2"	116