

New

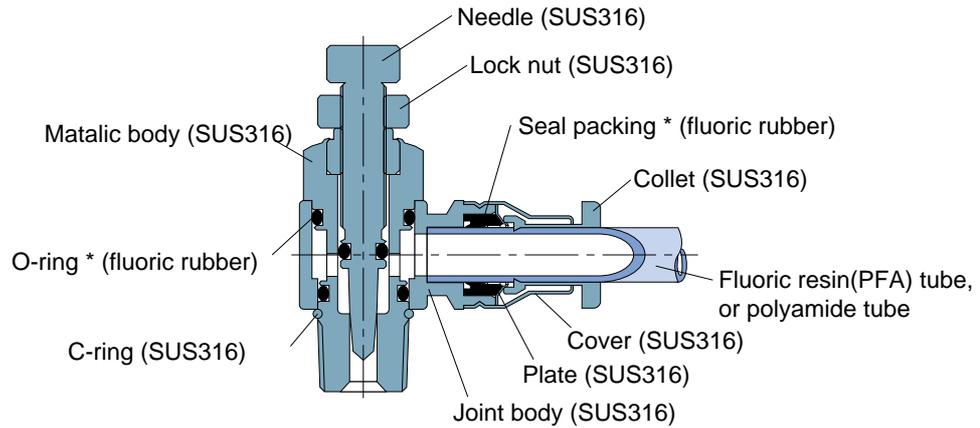
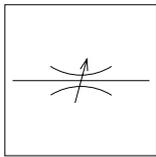
Quick Fitting Type Needle Throttle Valve Stainless Series SUS316 Throttle (Needle) Valve

Features

- SUS316 throttle valves are excellent choices for jobs that require the control of air, water, specific chemicals, and or specific gas mixture flows. All components feature highly anticorrosive SUS316 stainless steel. Seals are made of fluoric rubber with excellent chemical-proof properties.
- Materials incorporated in the SUS316 are oil-impervious and meet all Japanese Food Sanitation Act requirements.
- In combination with polyamide tubes (SNT), SUS316 valves are excellent choices for food processing applications. Combined with fluororesin (PFA) tubes, the valves provide outstanding performance in pharmaceutical and medical applications.

Construction

Graphical representation



*Seal rubber material can be order-made.

Specification

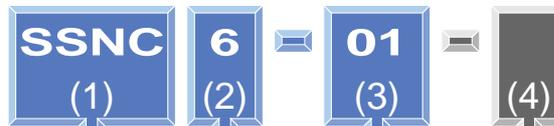
Fluid admitted	Air, Water, Others	
Service pressure range	Gas : 0~150psi	0~1MPa
	Fluid : 0~45psi	0~0.3MPa* ²
Working pressure	-29.5 in. Hg	-100kPa(-750mmHg)
Service temperature range	5~250°F	-15~120°C

⚠ Warning

*1. Depending on use with chemicals or gas mixtures, there may be causes in which our specifications are not suitable. Be sure to confirm the specification compatibility before using our joint.

*2. Insert rings are recommended for use with fluid.

Model Designation (Example)



(1)Type
(2)Tube dia.

Code	mm Size					
	4	6	8	10	12	16
Size(mm)	φ4	φ6	φ8	φ10	φ12	φ16

(3)Thread size

Code	Taper pipe thread			
	01	02	03	04
Size	R1/8	R1/4	R3/8	R1/2

(4)Specification

X : Non-splash grease specification

(Non-splash grease coating is applied to seal packing)

No code : Oil-free specification (Conventional product)

⚠ Detailed Safety Instructions

Before using the PISCO device, be sure to read the "Safety Instructions", "Common Safety Instructions for Products Listed in This Manual" on page 7 and "Common Safety Instructions for Controllers" on page 43.

⚠ Warning

1. When the fluid admitted is a chemical, be sure to contact PISCO for guidance. Depending on usage, damage may be caused to the joint body, the tube may come off or leakage may result.
2. When the fluid admitted is a liquid, use an insert ring. Without the use of an insert ring, the tube may come off or leakage may occur.
3. After connecting the tube, be sure to pull the tube toward you and make certain that it does not come off. If the tube comes off, pull the collet once (see table below), connect the tube again and check for proper connection by pulling it again.
4. Adjust speed of the actuator by opening the needle gradually from the fully closed position. With the needle open, there are chances of the actuator flying out. Turn the needle clockwise to close or counterclockwise to open.

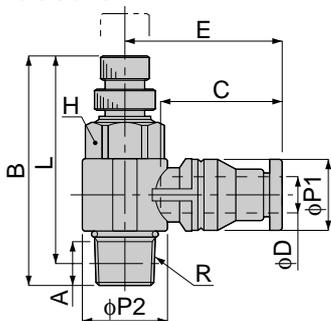
● Table

Table dia.	Tensile force of collet
φ4mm	10 ~ 20N
φ6mm	40 ~ 60N
φ8mm	50 ~ 70N
φ10mm	60 ~ 70N
φ12mm	70 ~ 90N
φ16mm	60 ~ 80N

⚠ Caution

1. Note that the taper pipe thread is not Sealock-treated. When you use seal tape or sealant on the thread, apply the tape or sealant about 1.5 or 2 thread ridges away from the thread end.
2. The throttle valve is designed to tolerate some air leakage at fully closed position. Therefore do not use it for applications that permits no air leakage.

SSNC
SUS316
Throttle (Needle) Valve
SUS316 TYPE Elbow



unit:mm

Model	Tube dia. φD	R	A	B		L		φP1	φP2	C		E		H	Mass (g)
				max	min	max	min			max	min	max	min		
SSNC 4-01	4	R1/8	7	46	39	42	35	10	14	18	17.5	25	24.5	12	28
SSNC 6-01	6	R1/8	7	46	39	42	35	12	14	20	18.5	27	25.5	12	30
SSNC 8-01	8	R1/8	7	46	39	42	35	14	14	22	20.5	29	27.5	12	31.5
SSNC 8-02		R1/4	10	53	45	47	39					31.5	30		
SSNC 10-02	10	R1/4	10	53	45	47	39	17	19	25.5	24	36.5	35	17	65.5
SSNC 10-03		R3/8	11	59	49	52.5	42.5					37	35.5		
SSNC 12-03	12	R3/8	11	59	49	52.5	42.5	20	23	27.5	25.5	40.5	38.5	21	105
SSNC 12-04		R1/2	14	66	55	58	47					41.5	39.5		
SSNC 16-04	16	R1/2	14	66	55	58	47	23.5	28	33	31	49.5	47.5	24	170.5

Flow characteristics

