PISCO

Quick-fitting Joint Made of Stainless Steel

Tube Fitting Stainless SUS316 Series

Package 10 pcs. in a bag

■All the parts except the sealing part are made of SU316, which is highly resistant to corrosion. The seal is fluoric rubber that displays great chemical resistance. The parts are all of oil-free specification and in compliance with the Food Sanitation Act, so that this series can be used with food processing, chemicals, madical care, semiconductor manufacture, etc.

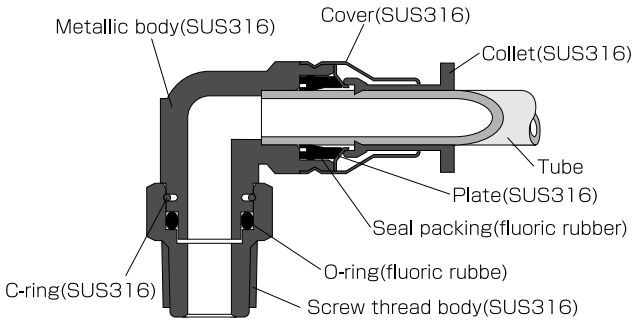
Specifications

Positive Pressure	Air ,water,others ※1	
	0~145psi	0~1MPa(0~10.2kgf/cm²)
	Fluid	
	0~43.5psi	0~0.3MPa(0~3.06kgf/cm²)※2
Negative Pressure	-29.5mmHg	(-750mmHg)10Torr
Service temperature range	5~248F	-15~120°C

※1. Depending on use with chemicals or gas mixtures, there may be causes damage 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 fluids.

Construction



Model Designation(Example)

SSC ① 6 ② - 01 ③ ④

①Type

②Tube Dia.(φD)

Code	4	6	8	10	12	16
Dia.	φ4mm	φ6mm	φ8mm	φ10mm	φ12mm	φ16mm

③Thread size(R)

	Metric thread	Taper pipe thread			
Code	M5	01	02	03	04
Size	M5×0.8	R1/8	R1/4	R3/8	R1/2

④Specification

X:KRAYTOX® Specification(Non-splash grease coating is applied to seal packing(Fluoric rubber)

No entry: 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 3 and "Common Safety Instructions for Quick-Fitting Joint"on pages 4.

⚠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.

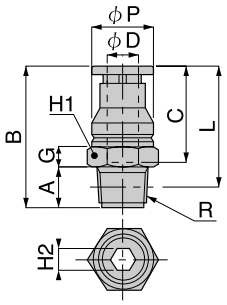
2.When the fluid admitted is a liquid, use an insert ring. Without the use of an insert ring, the tube may come off or leakage may occur.

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.

⚠Caution

1.Note that the taper pipe is not Sealock-treated. When you use seal or sealant on the thread, apply the tape or sealant about 1.5 or 2 thread ridges away from the thread end.

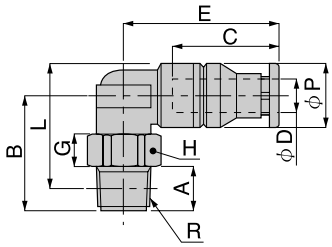
SSC SUS316 Straight



Unit : inch

Model	Tube dia. ϕD(mm)	R	A	B		L		ΦP	C		G	HEX. H1	HEX. H2	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
				MIN.	MAX.	MIN.	MAX.		MIN.	MAX.							
SSC 4-M5	4	M5×0.8	0.16	0.95	0.96	0.77	0.81	0.39	0.67	0.71	0.22	0.39	0.08	0.21	2.00	3.00	0.16
SSC 4-01	4	R1/8	0.31	1.04	1.06	0.87	0.91	0.39	0.67	0.71	0.16	0.39	0.12	0.28	3.00	5.00	0.27
SSC 6-M5	6	M5×0.8	0.16	0.98	1.04	0.81	0.87	0.47	0.71	0.77	0.26	0.47	0.08	0.28	2.10	3.00	0.16
SSC 6-01	6	R1/8	0.31	1.04	1.10	0.87	0.92	0.47	0.71	0.77	0.16	0.47	0.16	0.33	4.20	13.50	0.73
SSC 6-02	6	R1/4	0.43	1.24	1.30	0.91	0.96	0.47	0.71	0.77	0.24	0.55	0.16	0.65	4.20	13.80	0.75
SSC 8-01	8	R1/8	0.31	1.16	1.22	1.00	1.06	0.55	0.81	0.87	0.20	0.55	0.20	0.44	5.30	20.50	1.11
SSC 8-02	8	R1/4	0.43	1.28	1.34	1.04	1.10	0.55	0.81	0.87	0.20	0.55	0.24	0.60	6.30	26.80	1.45
SSC 10-02	10	R1/4	0.43	1.40	1.46	1.14	1.22	0.67	0.92	0.98	0.24	0.67	0.24	0.77	6.30	27.50	1.49
SSC 10-03	10	R3/8	0.47	1.44	1.50	1.18	1.24	0.67	0.92	0.98	0.24	0.67	0.24	1.06	6.30	28.50	1.54
SSC 12-03	12	R3/8	0.47	1.50	1.57	1.22	1.30	0.79	0.98	1.06	0.24	0.83	0.31	1.28	8.50	45.50	2.47
SSC 12-04	12	R1/2	0.59	1.61	1.69	1.26	1.36	0.79	0.98	1.06	0.24	0.87	0.31	1.87	8.50	51.80	2.81
SSC 16-04	16	R1/2	0.59	1.93	2.01	1.57	1.67	0.92	1.20	1.30	0.35	0.94	0.47	2.06	12.60	79.80	4.33

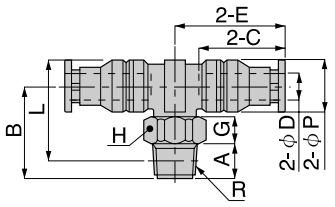
SSL SUS316 Elbow



Unit : inch

Model	Tube dia. ϕD(mm)	R	A	B	L	ΦP	C		E		HEX. H	G	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
							MIN.	MAX.	MIN.	MAX.						
SSL 4-M5	4	M5×0.8	0.16	0.69	0.77	0.39	0.67	0.71	0.85	0.89	0.39	0.30	0.40	2.00	3.00	0.16
SSL 4-01	4	R1/8	0.31	0.79	0.83	0.39	0.67	0.71	0.85	0.89	0.39	0.24	0.49	3.00	3.80	0.21
SSL 6-M5	6	M5×0.8	0.16	0.77	0.89	0.47	0.71	0.77	0.92	0.98	0.47	0.33	0.62	2.00	3.00	0.16
SSL 6-01	6	R1/8	0.31	0.83	0.91	0.47	0.71	0.77	0.92	0.98	0.47	0.24	0.65	4.60	11.80	0.64
SSL 6-02	6	R1/4	0.43	0.94	0.94	0.47	0.71	0.77	0.92	0.98	0.55	0.24	0.92	4.60	10.00	0.54
SSL 8-01	8	R1/8	0.31	0.91	1.02	0.55	0.81	0.87	1.02	1.08	0.55	0.28	0.88	6.00	21.00	1.14
SSL 8-02	8	R1/4	0.43	1.02	1.06	0.55	0.81	0.87	1.02	1.08	0.55	0.28	1.07	6.00	20.50	1.11
SSL 10-02	10	R1/4	0.43	1.14	1.24	0.67	0.92	0.98	1.14	1.22	0.67	0.31	1.43	8.00	28.00	1.52
SSL 10-03	10	R3/8	0.47	1.18	1.26	0.67	0.92	0.98	1.14	1.22	0.67	0.31	1.67	8.00	28.00	1.52
SSL 12-03	12	R3/8	0.47	1.34	1.48	0.79	0.98	1.06	0.77	0.85	0.83	0.39	2.41	10.00	52.00	2.82
SSL 12-04	12	R1/2	0.59	1.46	1.54	0.79	0.98	1.06	0.77	0.85	0.87	0.39	3.03	10.00	49.50	2.68
SSL 16-04	16	R1/2	0.59	1.57	1.71	0.92	1.20	1.30	0.96	1.06	0.94	0.35	3.75	13.00	68.80	3.73

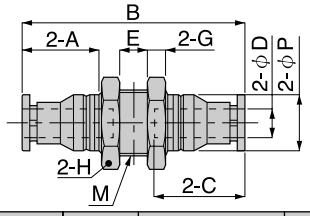
SSB SUS316 Tee



Unit : inch

Model	Tube dia. ϕD(mm)	R	A	B	L	ΦP	C		E		HEX. H	G	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
							MIN.	MAX.	MIN.	MAX.						
SSB 4-M5	4	M5×0.8	0.16	0.69	0.77	0.39	0.67	0.71	0.85	0.89	0.39	0.30	0.58	2.00	3.00	0.16
SSB 4-01	4	R1/8	0.31	0.79	0.83	0.39	0.67	0.71	0.85	0.89	0.39	0.24	0.67	3.00	3.50	0.19
SSB 6-M5	6	M5×0.8	0.16	0.77	0.89	0.47	0.71	0.77	0.92	0.98	0.47	0.33	0.86	2.00	3.00	0.16
SSB 6-01	6	R1/8	0.31	0.83	0.91	0.47	0.71	0.77	0.92	0.98	0.47	0.24	0.90	4.60	10.50	0.57
SSB 6-02	6	R1/4	0.43	0.94	0.94	0.47	0.71	0.77	0.92	0.98	0.47	0.24	1.16	4.60	10.50	0.57
SSB 8-01	8	R1/8	0.31	0.91	1.02	0.55	0.81	0.87	1.02	1.08	0.55	0.28	1.18	6.00	20.00	1.08
SSB 8-02	8	R1/4	0.43	1.02	1.06	0.55	0.81	0.87	1.02	1.08	0.55	0.28	1.36	6.00	20.00	1.08
SSB 10-02	10	R1/4	0.43	1.14	1.24	0.67	0.92	0.98	1.14	1.22	0.67	0.31	1.85	8.00	27.00	1.46
SSB 10-03	10	R3/8	0.47	1.18	1.26	0.67	0.92	0.98	1.14	1.22	0.67	0.31	2.11	8.00	27.00	1.46
SSB 12-03	12	R3/8	0.47	1.34	1.48	0.79	0.98	1.06	0.77	0.85	0.83	0.39	3.19	10.00	51.00	2.76
SSB 12-04	12	R1/2	0.59	1.46	1.54	0.79	0.98	1.06	0.77	0.85	0.87	0.39	3.80	10.00	52.00	2.82
SSB 16-04	16	R1/2	0.59	1.50	1.63	0.92	1.20	1.30	0.96	1.06	0.94	0.35	5.02	13.00	71.00	3.85

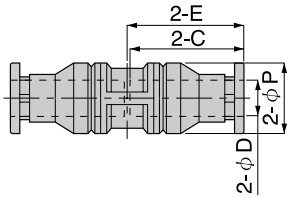
SSM SUS316 Bulkhead Union



Unit : inch

Model	Tube dia. ϕD(mm)	M	A		B		ΦP	C		E. MAX.	G	HEX. H	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
			MIN.	MAX.	MIN.	MAX.		MIN.	MAX.							
SSM 4	4	12×1	0.61	0.65	1.69	1.77	0.39	0.67	0.71	0.16	0.16	0.55	0.65	3.00	4.50	0.24
SSM 6	6	14×1	0.61	0.67	1.77	1.89	0.47	0.71	0.77	0.24	0.16	0.67	0.97	4.60	10.80	0.59
SSM 8	8	16×1	0.71	0.77	1.95	2.07	0.55	0.81	0.87	0.24	0.16	0.75	1.25	6.50	25.50	1.38
SSM 10	10	20×1	0.77	0.85	2.18	2.32	0.67	0.92	0.98	0.24	0.20	0.94	2.11	8.50	34.80	1.89
SSM 12	12	22×1	0.83	0.91	2.36	2.52	0.79	0.98	1.06	0.24	0.24	1.06	3.03	10.00	48.50	2.63
SSM 16	16	27×1.5	1.02	1.12	2.76	2.93	0.92	1.20	1.30	0.22	0.24	1.26	4.10	14.00	85.50	4.63

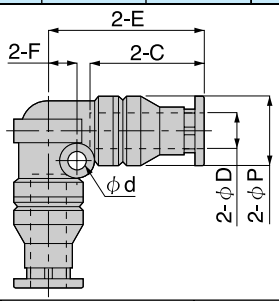
SSU SUS316 Union Straight



Unit : inch

Model	Tube dia. ϕD(mm)	C		E		ΦP	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
		MIN.	MAX.	MIN.	MAX.					
SSU 4	4	0.67	0.71	0.69	0.73	0.39	0.30	2.50	4.50	0.24
SSU 6	6	0.71	0.77	0.73	0.79	0.47	0.42	4.60	10.80	0.59
SSU 8	8	0.81	0.87	0.83	0.89	0.55	0.56	6.00	26.00	1.41
SSU 10	10	0.92	0.98	0.96	1.04	0.67	0.88	8.50	34.50	1.87
SSU 12	12	0.98	1.06	1.02	1.10	0.79	1.34	10.00	49.50	2.68
SSU 16	16	1.20	1.30	1.24	1.34	0.92	1.95	14.00	86.00	4.66

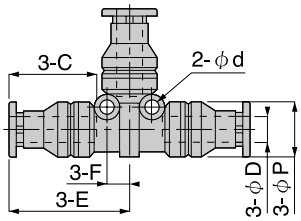
SSV SUS316 Union Elbow



Unit : inch

Model	Tube dia. ϕD(mm)	ΦP	C		E		F	Φd	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
			MIN.	MAX.	MIN.	MAX.						
SSV 4	4	0.39	0.67	0.71	0.91	0.94	0.16	0.13	0.44	2.50	3.50	0.09
SSV 6	6	0.47	0.71	0.77	1.00	1.06	0.20	0.13	0.69	4.60	9.50	0.51
SSV 8	8	0.55	0.81	0.87	1.16	1.22	0.24	0.17	1.00	6.00	20.80	1.13
SSV 10	10	0.67	0.92	0.98	1.30	1.38	0.28	0.17	1.43	8.00	29.50	1.60
SSV 12	12	0.79	0.98	1.06	1.40	1.48	0.31	0.17	2.02	10.00	48.00	2.60
SSV 16	16	0.92	1.20	1.30	1.69	1.79	0.37	0.17	3.20	13.00	69.50	3.77

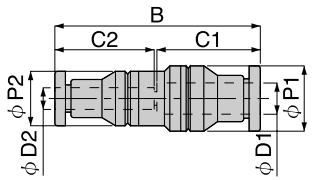
SSE SUS316 Union Tee



Unit : inch

Model	Tube dia. ϕD(mm)	ΦP	C		E		F	Φd	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
			MIN.	MAX.	MIN.	MAX.						
SSE 4	4	0.39	0.67	0.71	0.91	0.94	0.16	0.13	0.63	2.50	3.50	0.19
SSE 6	6	0.47	0.71	0.77	1.00	1.06	0.20	0.13	0.97	4.60	9.80	0.53
SSE 8	8	0.55	0.81	0.87	1.16	1.22	0.24	0.17	1.37	6.00	20.00	1.08
SSE 10	10	0.67	0.92	0.98	1.30	1.38	0.28	0.17	2.01	8.00	28.80	1.56
SSE 12	12	0.79	0.98	1.06	1.40	1.48	0.31	0.17	2.78	10.00	50.00	2.71
SSE 16	16	0.92	1.20	1.30	1.69	1.79	0.37	0.17	4.36	13.00	74.00	4.01

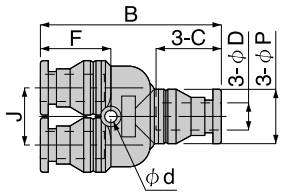
SSG SUS316 Different Diam Union Straight



Unit : inch

Model	Tube dia. ϕD1(mm)	Tube dia. ϕD2(mm)	B		ΦP1	ΦP2	C1		C2		Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
			MIN.	MAX.			MIN.	MAX.	MIN.	MAX.				
SSG 6-4	6	4	1.42	1.52	0.47	0.39	0.71	0.77	0.67	0.71	0.37	4.90	4.00	0.22
SSG 8-6	8	6	1.54	1.65	0.55	0.47	0.81	0.87	0.71	0.77	0.51	16.60	10.50	0.57
SSG 10-8	10	8	1.77	1.89	0.67	0.55	0.92	0.98	0.81	0.87	1.00	28.30	23.00	1.25
SSG 12-10	12	10	1.91	2.05	0.79	0.67	0.98	1.06	0.92	0.98	2.00	56.70	29.50	1.60
SSG 16-12	16	12	2.22	2.40	0.92	0.79	1.20	1.30	0.98	1.06	2.76	78.50	42.00	2.28

SSY SUS316 Union Y



Unit : inch

Model	Tube dia. ϕD(mm)	B		ΦP	C		J	Φd	F		Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
		MIN.	MAX.		MIN.	MAX.			MIN.	MAX.				
SSY 4	4	1.50	1.57	0.39	0.67	0.71	0.43	0.13	0.67	0.71	0.53	5.00	3.00	0.16
SSY 6	6	1.61	1.73	0.47	0.71	0.77	0.51	0.13	0.67	0.73	0.83	12.40	8.50	0.46
SSY 8	8	1.89	2.01	0.55	0.81	0.87	0.59	0.13	0.77	0.83	1.20	34.20	19.00	1.03
SSY 10	10	2.16	2.28	0.67	0.92	0.98	0.71	0.17	0.85	0.92	1.81	39.00	24.80	1.34
SSY 12	12	2.36	2.52	0.79	0.98	1.06	0.83	0.17	0.91	0.94	2.78	66.60	38.50	2.09
SSY 16	16	2.91	3.11	0.92	1.20	1.30	0.98	0.17	1.10	1.20	4.26	117.00	53.00	2.87