

# Flame-retarded Quick-Fitting Joint for Pneumatic Piping

## Tube Fitting Spatter

### Package 10 pcs. in a bag

- These are the flame-retarded quick-fitting joints for pneumatic piping.
- The joint made of a flame-retarded resin is highly resistant to spatters.(UL94 V-0 equivalent)
- The cover prevents malfunction of the release ring due to spatter.
- These joint models can be used with covered tubes also.

UL94 V-0

V-0 is the highest rank of the V-0,V-1,V-2, and HB ranks of self-extinguishing materials specified in the UL Standard established by Underwriters Laboratories Inc.

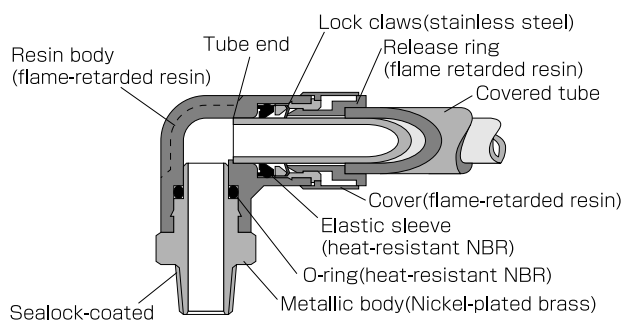
### Specifications

Fluid admitted	Air,water(conditional)	
Service pressure range	0~150psi	0~0.9MPa(0~9.18kg/cm <sup>2</sup> )
Working vacuum	-29.5in.Hg	-750mmHg(10Torr)
Service temperature range	32~140°F	0~60°C

※Conditions of Water(when used)

- 1.Operating temperature:0 to 60°C
- 2.Operating pressure:0 to 0.3MPa
- 3.No water hammer is allowed.
- 4.Be sure to install the insert ring.

### Construction



### Model Designation(Example)



①Type

②Tube Dia.(φD)

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

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

④Flame retardation(Code V-O)

※Be sure to enter V-O. Otherwise, your specification is understood to be a standard type.

### Detailed Safety Instructions

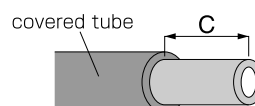
Before using the PISCO device, be sure to read the "Safety Instructions", "Common Safety Instructions for Products Listed in This Manual" on page 3 and "Common Safety Instructions for Quick-Fitting Joint" on pages 4 and 5.

### Warning

- 1.When the fluid admitted is a water, do not use the PISCO device unless the application satisfies all the conditions required in Specification. Otherwise damage may be caused to the joint body, the tube may come off or leakage may result.

### Caution

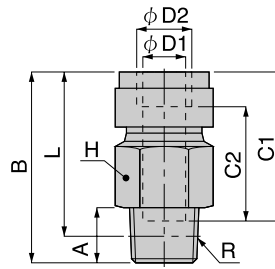
- 1.When you use a covered tube, be sure to cut the covering into the specified dimensions(see below) before use. Failure to do so may result in the coming off the tube, leakage or inability to connect the tube.



Tube dia.	φ4mm	φ6mm	φ8mm	φ10mm	φ12mm
Cover cutting dimension(C)	15.5mm	16.5mm	17.5mm	20mm	23.5mm

**PC**  
SPATTER

Straight

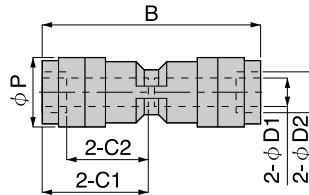


Unit : inch

Model	Tube dia. φD1(mm)	Tube dia. φD2(mm)	R	A	B	L	C1	C2	H	Weight (OZ)	Orifice φMM	Eff.a. mm2	CV
PC 4-M5 V-0	4	6	M5	0.12	0.98	0.85	0.79	0.61	0.39	0.26	1.80	1.90	0.10
PC 4-M50 V-0	4	6	M5	0.12	1.08	0.89	0.79	0.61	0.31	0.26	1.80	1.90	0.10
PC 4-M6 V-0	4	6	M6	0.16	1.02	0.85	0.79	0.61	0.39	0.26	3.00	6.20	0.34
PC 4-01 V-0	4	6	R1/8	0.31	1.02	0.87	0.79	0.61	0.39	0.33	3.00	5.30	0.29
PC 4-02 V-0	6	6	R1/4	0.43	1.02	0.79	0.79	0.61	0.55	0.60	3.00	5.30	0.29
PC 6-01 V-0	6	8	R1/8	0.31	1.06	0.91	0.85	0.65	0.47	0.35	4.60	12.50	0.68
PC 6-02 V-0	6	8	R1/4	0.43	1.16	1.00	0.85	0.65	0.55	0.63	4.60	12.50	0.68
PC 6-03 V-0	6	8	R3/8	0.47	1.12	0.87	0.85	0.65	0.67	0.99	4.60	12.50	0.68
PC8-01 V-0	8	10	R1/8	0.31	1.28	1.06	0.89	0.69	0.55	0.58	6.00	20.00	1.08
PC 8-02 V-0	8	10	R1/4	0.43	1.22	0.98	0.89	0.69	0.55	0.58	7.00	20.00	1.08
PC 8-03 V-0	8	10	R3/8	0.47	1.12	0.87	0.89	0.69	0.67	0.88	7.00	20.00	1.08
PC 10-01 V-0	10	12	R1/8	0.31	1.38	1.22	0.98	0.79	0.67	0.84	6.00	22.90	1.24
PC 10-02 V-0	10	12	R1/4	0.43	1.34	1.10	0.98	0.79	0.67	0.76	8.50	35.00	1.90
PC 10-03 V-0	10	12	R3/8	0.47	1.32	1.08	0.98	0.79	0.67	0.97	8.50	35.00	1.90
PC 10-04 V-0	10	12	R1/2	0.59	1.36	1.02	0.98	0.79	0.83	1.78	8.50	35.00	1.90
PC 12-02 V-0	12	14	R1/4	0.43	1.61	1.38	1.12	0.92	0.83	1.55	8.50	35.00	1.90
PC 12-03 V-0	12	14	R3/8	0.47	1.46	1.20	1.12	0.92	0.83	1.58	11.00	59.00	3.20
PC 12-04 V-0	12	14	R1/2	0.59	1.54	1.22	1.12	0.92	0.83	2.39	11.00	59.00	3.20

**PU**  
SPATTER

Union Straight

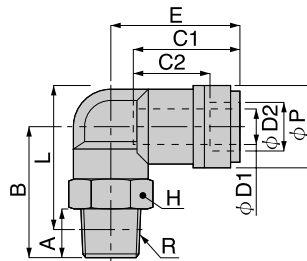


Unit : inch

Model	Tube dia. φD1(mm)	Tube dia. φD2(mm)	B	φP	C1	C2	Weight (OZ)	Orifice φMM	Eff.a. mm2	CV
PU 4 V-0	4	6	1.61	0.47	0.79	0.61	0.25	3.80	5.30	0.29
PU 6 V-0	6	8	1.73	0.55	0.85	0.65	0.49	5.50	12.50	0.68
PU 8 V-0	8	10	1.85	0.63	0.89	0.69	0.70	7.00	20.00	1.08
PU 10 V-0	10	12	2.09	0.75	0.98	0.79	1.06	9.00	35.00	1.90
PU 12 V-0	12	14	2.50	0.87	1.12	0.92	1.62	11.00	59.00	3.20

**PL**  
SPATTER

Elbow

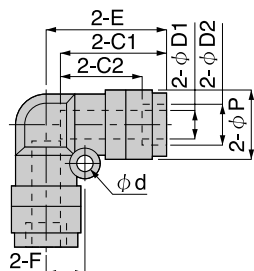


Unit : inch

Model	Tube dia. φD1(mm)	Tube dia. φD2(mm)	R	A	B	L	φP	C1	C2	E	H	Weight (OZ)	Orifice φMM	Eff.a. mm2	CV
PL 4-M5 V-0	4	6	M5	0.12	0.81	0.91	0.47	0.79	0.61	0.91	0.39	0.35	1.80	1.50	0.08
PL 4-M6 V-0	4	6	M6	0.16	0.85	0.91	0.47	0.79	0.61	0.91	0.39	0.37	3.00	4.20	0.23
PL 4-01 V-0	4	6	R1/8	0.31	0.92	1.00	0.47	0.79	0.61	0.91	0.39	0.46	3.00	4.20	0.23
PL 4-02 V-0	4	6	R1/4	0.43	1.04	1.04	0.47	0.79	0.61	0.73	0.55	0.77	3.00	4.20	0.23
PL 6-01 V-0	6	8	R1/8	0.31	0.98	0.83	0.55	0.85	0.65	0.96	0.47	0.53	4.60	10.00	0.54
PL 6-02 V-0	6	8	R1/4	0.43	1.10	0.87	0.55	0.85	0.65	0.96	0.55	0.84	4.60	10.00	0.54
PL 6-03 V-0	6	8	R3/8	0.47	1.18	0.92	0.55	0.85	0.65	0.96	0.67	1.25	4.60	10.00	0.54
PL 8-01 V-0	8	10	R1/8	0.31	1.10	0.94	0.63	0.89	0.69	1.08	0.55	0.69	6.00	16.50	0.89
PL 8-02 V-0	8	10	R1/4	0.43	1.22	0.98	0.63	0.89	0.69	1.08	0.55	0.88	6.00	16.50	0.89
PL 8-03 V-0	8	10	R3/8	0.47	1.30	1.04	0.63	0.89	0.69	1.08	0.67	1.32	6.00	16.50	0.89
PL 10-01 V-0	10	12	R1/8	0.31	1.14	1.30	0.75	0.98	0.79	1.12	0.67	1.13	6.00	22.40	1.21
PL 10-02 V-0	10	12	R1/4	0.43	1.42	1.18	0.75	0.98	0.79	1.12	0.67	1.23	8.00	30.00	1.63
PL 10-03 V-0	10	12	R3/8	0.47	1.46	1.20	0.75	0.98	0.79	1.12	0.67	1.55	8.00	30.00	1.63
PL 10-04 V-0	10	12	R1/2	0.59	1.57	1.26	0.75	0.98	0.79	1.12	0.83	2.29	8.00	30.00	1.63
PL 12-02 SUS	12	14	R1/4	0.43	1.50	1.26	0.87	1.12	0.92	1.22	0.83	1.83	8.00	30.00	1.63
PL 12-03 SUS	12	14	R3/8	0.47	1.54	1.28	0.87	1.12	0.92	1.22	0.83	1.88	10.00	47.00	2.55
PL 12-04 SUS	12	14	R1/2	0.59	1.65	1.34	0.87	1.12	0.92	1.22	0.83	2.69	10.00	47.00	2.55

**PV**  
SPATTER

Union Elbow

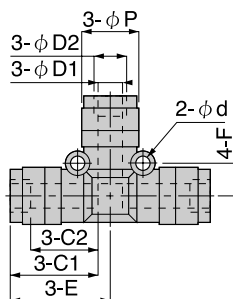


Unit : inch

Model	Tube dia. φD1(mm)	Tube dia. φD2(mm)	φP	C1	C2	E	φd	F	Weight (OZ)	Orifice φMM	Eff.a. mm2	CV
PV 4 V-0	4	6	0.47	0.79	0.61	0.87	0.13	0.26	0.25	2.80	4.20	0.23
PV 6 V-0	6	8	0.55	0.85	0.65	0.96	0.13	0.31	0.53	5.00	10.00	0.54
PV 8 V-0	8	10	0.63	0.89	0.69	1.06	0.17	0.39	0.76	7.00	16.50	0.89
PV 10 V-0	10	12	0.75	0.98	0.79	1.22	0.17	0.47	1.14	9.00	30.00	1.63
PV 12 V-0	12	14	0.87	1.12	0.92	1.34	0.17	0.55	1.69	11.00	47.00	2.55

**PE**  
SPATTER

Union Tee

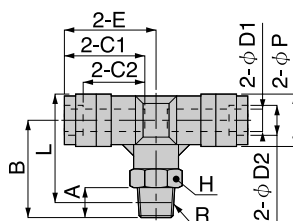


Unit : inch

Model	Tube dia. φD1(mm)	Tube dia. φD2(mm)	φP	C1	C2	E	φd	F	Weight (OZ)	Orifice φMM	Eff.a. mm2	CV
PE 4 V-0	4	6	0.47	0.79	0.61	0.87	0.13	0.26	0.35	3.00	5.30	0.29
PE 6 V-0	6	8	0.55	0.85	0.65	0.96	0.13	0.31	0.76	4.60	12.50	0.68
PE 8 V-0	8	10	0.63	0.89	0.69	1.06	0.13	0.35	1.11	6.00	20.00	1.08
PE 10 V-0	10	12	0.75	0.98	0.79	1.22	0.17	0.47	1.69	8.00	35.00	1.90
PV 12 V-0	12	14	0.87	1.12	0.92	1.36	0.13	0.55	2.48	10.00	59.00	3.20

**PB**  
SPATTER

Tee



Unit : inch

Model	Tube dia. φD1(mm)	Tube dia. φD2(mm)	R	A	B	L	φP	C1	C2	E	H	Weight (OZ)	Orifice φMM	Eff.a. mm2	CV
PB 4-M5 V-0	4	6	M5	0.12	0.81	0.91	0.47	0.79	0.61	0.87	0.39	0.49	18.0	1.50	0.08
PB 4-M6 V-0	4	6	M6	0.16	0.85	0.91	0.47	0.79	0.61	0.87	0.39	0.49	3.00	4.10	0.22
PB 4-01 V-0	4	6	R1/8	0.31	0.92	1.00	0.47	0.79	0.61	0.87	0.39	0.59	3.00	4.10	0.22
PB 4-02 V-0	4	6	R1/4	0.43	1.04	1.04	0.47	0.79	0.61	0.87	0.55	0.98	3.00	4.10	0.22
PB 6-01 V-0	6	8	R1/8	0.31	0.98	0.79	0.55	0.85	0.65	0.96	0.47	0.75	5.00	10.00	0.54
PB 6-02 V-0	6	8	R1/4	0.43	1.10	0.87	0.55	0.85	0.65	0.96	0.55	1.10	5.00	10.00	0.54
PB 6-03 V-0	6	8	R3/8	0.47	1.18	0.92	0.55	0.85	0.65	0.96	0.67	1.55	5.00	10.00	0.54
PB 8-01 V-0	8	10	R1/8	0.31	1.10	0.94	0.63	0.89	0.69	1.08	0.55	0.96	6.00	16.50	0.89
PB 8-02 V-0	8	10	R1/4	0.43	1.22	0.98	0.63	0.89	0.69	1.08	0.55	1.18	6.00	16.50	0.89
PB 8-03 V-0	8	10	R3/8	0.47	1.30	1.04	0.63	0.89	0.69	1.08	0.67	1.67	6.00	16.50	0.89
PB 10-02 V-0	10	12	R1/4	0.43	1.42	1.18	0.75	0.98	0.79	1.12	0.67	1.69	8.00	30.00	1.63
PB 10-03 V-0	10	12	R3/8	0.47	1.46	1.20	0.75	0.98	0.79	1.12	0.67	2.05	8.00	30.00	1.63
PB 10-04 V-0	10	12	R1/2	0.59	1.57	1.26	0.75	0.98	0.79	1.12	0.83	2.87	8.00	30.00	1.63
PB 12-02 V-0	12	14	R1/4	0.43	1.50	1.26	0.87	1.12	0.92	1.22	0.83	2.52	8.00	30.00	1.63
PB 12-03 V-0	12	14	R3/8	0.47	1.54	1.28	0.87	1.12	0.92	1.22	0.83	2.58	10.00	47.00	2.55
PB 12-04 V-0	12	14	R1/2	0.59	1.65	1.34	0.87	1.12	0.92	1.22	0.83	3.48	10.00	47.00	2.55