

COMPACT ONE-TOUCH FITTINGS



Uses	• Compact type one-touch joints used in narrow spaces • Used for various environments to meet all needs										
Features	• Easy installation and disconnection by one-touch • Smaller volume ratio and smaller O.D. but the same flow rate compared the general type • Electroless nickel plating type provides excellent corrosion resistance • Oval sleeves are designed to install in narrow spaces • The screws are O-ringed or Teflon-treated. • It is suitable for small devices and narrow-space piping.										
Specifications	<table><tr><td>Fluid type</td><td>Air(No other gases or liquids)</td></tr><tr><td>Working pressure</td><td>0~150PSI / 0~9.9kgf/cm²(0~990kPa) ※In combination with the applied tube, it is based on the maximum operating pressure of the tube.</td></tr><tr><td>Negative pressure</td><td>-29.5 in Hg / -750mmHg(-750Torr)</td></tr><tr><td>Working temperature</td><td>32~140° F / 0~60°C</td></tr><tr><td>Applicable Tube</td><td>Polyurethane and Nylon</td></tr></table>	Fluid type	Air(No other gases or liquids)	Working pressure	0~150PSI / 0~9.9kgf/cm ² (0~990kPa) ※In combination with the applied tube, it is based on the maximum operating pressure of the tube.	Negative pressure	-29.5 in Hg / -750mmHg(-750Torr)	Working temperature	32~140° F / 0~60°C	Applicable Tube	Polyurethane and Nylon
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Applicable Tube	Polyurethane and Nylon										
Structural drawing											
Example of uses	• All fittings are brass body type and electroless nickel(EN) plating, thus, provides excellent corrosion resistance. • Oval sleeves are easy to install and disconnect. <table><tr><td>POC Models</td><td>Use a hexagonal wrench to tighten internal hexagonal part. POC products cannot be fastened with other tools since the outside of the body is circular.</td></tr><tr><td>PL Models</td><td>Rotation of plastic body makes the tube piping efficient.</td></tr><tr><td>PLL Models</td><td></td></tr></table>	POC Models	Use a hexagonal wrench to tighten internal hexagonal part. POC products cannot be fastened with other tools since the outside of the body is circular.	PL Models	Rotation of plastic body makes the tube piping efficient.	PLL Models					
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CAUTIONS	• Be sure to read "Caution", "Warning", "Common Safety Instructions"(pp. 25) and precautions of using fitting products before use. • Make sure to check "Recommended Tightening Torque"(pp.26) • It is recommended to rotate the fitting 2-3 times using a tool after tightening by hand. Screws will break If it pushes too hard. • Make sure that the cut end surface of the tube is a right angle without a scratch on the surface and deformations. • Pull the tube lightly to check the complete installation. • Avoid piping under the condition of tension and abruptly curved piping before the tube insertion										
WARNINGS	• Avoid twisting or hitting the body of fitting when assembling. It may cause damage or air leakage. • Make sure to check specifications before using fluid. It may cause damage or air leakage										

Product Code System

METRIC - BSPT(R)

PC 06-01-C

COMPACT
ONETOUCH
FITTING

TUBE DIA

CODE	SIZE
03	Ø3
04	Ø4
06	Ø6

THREAD SIZE

CODE	SIZE
M3	M3×0.5
M5	M5×0.8
M6	M6×1.0
R(PT) THREAD	
CODE	SIZE
01	R ½

COMPACT

Nickel

METRIC - BSPP(G)

PC 06-G01-C

COMPACT
ONETOUCH
FITTING

TUBE DIA

CODE	SIZE
04	Ø4
06	Ø6

THREAD SIZE

G(PF) CODE	THREAD SIZE
G01	G ½

INCH - BSPT(R)

PC-1/4-01-C

COMPACT
ONETOUCH
FITTING

TUBE DIA

CODE	SIZE
1/8	Ø 1/8
5/32	Ø 5/32
1/4	Ø 1/4

THREAD SIZE

METRIC CODE	THREAD SIZE
M3	M3×0.5
M5	M5×0.8
M6	M6×1.0
R(PT) THREAD	
CODE	SIZE
01	R ½

COMPACT

Nickel

INCH - NPT

PC-1/4-N1-C

COMPACT
ONETOUCH
FITTING

TUBE DIA

CODE	SIZE
1/8	Ø 1/8
5/32	Ø 5/32
1/4	Ø 1/4

THREAD SIZE

UNF CODE	THREAD SIZE
U	10-32UNF
NPT THREAD	
CODE	SIZE
N0	NPT 1/8
N1	NPT 1/4

PC-C
Male Straight



PC-G-C
Male Straight



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch -Thread NPT		Tube Metric -Thread G
PC 03-M3C	PC 04-M6C	PC 1/8-M3C	PC 5/32-M6C	PC 1/8-UC	PC 5/32-N0C	PC 04-G01C
PC 03-M5C	PC 04-01C	PC 1/8-M5C	PC 5/32-01C	PC 1/8-N0C	PC 5/32-N1C	PC 06-G01C
PC 03-M6C	PC 06-M5C	PC 1/8-M6C	PC 1/4-M5C	PC 1/8-N1C	PC 1/4-UC	
PC 03-01C	PC 06-M6C	PC 1/8-01C	PC 1/4-M6C	PC 1/8-N2C	PC 1/4-N0C	
PC 04-M3C	PC 06-01C	PC 5/32-M3C	PC 1/4-01C	PC 5/32-UC	PC 1/4-N1C	
PC 04-M5C		PC 5/32-M5C				

PCF-C
Female Straight



MODEL(φD-T)

Tube Metric -Thread Rc		Tube Inch-Thread Rc		Tube Inch-Thread NPT	
PCF 03-M3C	PCF 04-M6C	PCF 1/8-M3C	PCF 5/32-M6C	PCF 1/8-UC	PCF 5/32-N0C
PCF 03-M5C	PCF 04-01C	PCF 1/8-M5C	PCF 5/32-01C	PCF 1/8-N0C	PCF 5/32-N1C
PCF 03-M6C	PCF 06-M5C	PCF 1/8-M6C	PCF 1/4-M5C	PCF 1/8-N1C	PCF 1/4-UC
PCF 04-M3C	PCF 06-M6C	PCF 1/8-01C	PCF 1/4-M6C	PCF 1/8-N2C	PCF 1/4-N0C
PCF 04-M5C	PCF 06-01C	PCF 5/32-M3C	PCF 1/4-01C	PCF 5/32-UC	PCF 1/4-N1C
		PCF 5/32-M5C			

POC-C
Round Male Straight



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch-Thread NPT	
POC 03-M3C	POC 04-01C	POC 1/8-M3C	POC 5/32-M6C	POC 1/8-UC	POC 1/4-UC
POC 03-M5C	POC 06-M5C	POC 1/8-M5C	POC 5/32-01C	POC 1/8-N0C	POC 1/4-N0C
POC 03-M6C	POC 06-M6C	POC 1/8-M6C	POC 1/4-M5C	POC 1/8-N1C	POC 1/4-N1C
POC 04-M3C	POC 06-01C	POC 1/8-01C	POC 1/4-M6C	POC 5/32-UC	
POC 04-M5C		POC 5/32-M3C	POC 1/4-01C	POC 5/32-N0C	
POC 04-M6C		POC 5/32-M5C		POC 5/32-N1C	

PMM-C
Bulkhead Union



MODEL(φD)

Tube Metric	Tube Inch
PMM 03C	
PMM 04C	
PMM 06C	

PLJ-C



MODEL(φD)

Tube Metric	Tube Inch-Thread NPT
PLJ 03C	PLJ 1/8 C
PLJ 04C	PLJ 5/32 C
PLJ 06C	PLJ 1/4 C

PL-C
Male Elbow



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch -Thread NPT		Tube Metric -Thread G
PL 03-M3C	PL 04-01C	PL 1/8-M3C	PL 5/32-M6C	PL 1/8-UC	PL 5/32-N1C	PL 04-G01C
PL 03-M5C	PL 06-M5C	PL 1/8-M5C	PL 5/32-01C	PL 1/8-N0C	PL 1/4-UC	PL 06-G01C
PL 03-M6C	PL 06-M6C	PL 1/8-M6C	PL 1/4-M5C	PL 1/8-N1C	PL 1/4-N0C	
PL 04-M3C	PL 06-01C	PL 1/8-01C	PL 1/4-M6C	PL 5/32-UC	PL 1/4-N1C	
PL 04-M5C		PL 5/32-M3C	PL 1/4-01C	PL 5/32-N0C		
PL 04-M6C		PL 5/32-M5C				

PL-G-C
Male Elbow



PLL-C
Extended Male Elbow



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch-Thread NPT	
PLL 03-M3C	PLL 04-01C	PLL 1/8-M3C	PLL 5/32-M6C	PLL 1/8-UC	PLL 1/4-UC
PLL 03-M5C	PLL 06-M5C	PLL 1/8-M5C	PLL 5/32-01C	PLL 1/8-N0C	PLL 1/4-N0C
PLL 03-M6C	PLL 06-M6C	PLL 1/8-M6C	PLL 1/4-M5C	PLL 1/8-N1C	PLL 1/4-N1C
PLL 04-M3C	PLL 06-01C	PLL 1/8-01C	PLL 1/4-M6C	PLL 5/32-UC	
PLL 04-M5C		PLL 5/32-M3C	PLL 1/4-01C	PLL 5/32-N0C	
PLL 04-M6C		PLL 5/32-M5C		PLL 5/32-N1C	

PT-C

Male Branch Tee



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch-Thread NPT	
PT 03-M3C	PT 04-01C	PT 1/8-M3C	PT 5/32-M6C	PT 1/8-UC	PT 1/4-UC
PT 03-M5C	PT 06-M5C	PT 1/8-M5C	PT 5/32-01C	PT 1/8-N0C	PT 1/4-N0C
PT 03-M6C	PT 06-M6C	PT 1/8-M6C	PT 1/4-M5C	PT 1/8-N1C	PT 1/4-N1C
PT 04-M3C	PT 06-01C	PT 1/8-01C	PT 1/4-M6C	PT 5/32-UC	
PT 04-M5C		PT 5/32-M3C	PT 1/4-01C	PT 5/32-N0C	
PT 04-M6C		PT 5/32-M5C		PT 5/32-N1C	

PST-C

Male Run Tee



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch-Thread NPT	
PST 03-M3C	PST 04-01C	PST 1/8-M3C	PST 5/32-M6C	PST 1/8-UC	PST 1/4-UC
PST 03-M5C	PST 06-M5C	PST 1/8-M5C	PST 5/32-01C	PST 1/8-N0C	PST 1/4-N0C
PST 03-M6C	PST 06-M6C	PST 1/8-M6C	PST 1/4-M5C	PST 1/8-N1C	PST 1/4-N1C
PST 04-M3C	PST 06-01C	PST 1/8-01C	PST 1/4-M6C	PST 5/32-UC	
PST 04-M5C		PST 5/32-M3C	PST 1/4-01C	PST 5/32-N0C	
PST 04-M6C		PST 5/32-M5C		PST 5/32-N1C	

PUC-C

Union Straght



MODEL(φD)

Tube Metric	Tube Inch
PUC 03C	PUC 1/8 C
PUC 04C	PUC 5/32 C
PUC 06C	PUC 1/4 C

PUL-C

Union Elbow



MODEL(φD)

Tube Metric	Tube Inch-Thread NPT
PUL 03C	PUL 1/8 C
PUL 04C	PUL 5/32 C
PUL 06C	PUL 1/4 C

PUT-C

Union Tee



MODEL(φD)

Tube Metric	Tube Inch
PUT 03C	PUT 1/8 C
PUT 04C	PUT 5/32 C
PUT 06C	PUT 1/4 C

PG-C

Reducer



MODEL(φD1-φD2)

Tube Metric	Tube Inch
PG 04-03C	PG 5/32 - 1/8 C
PG 06-03C	PG 1/4 - 1/8 C
PG 06-04C	PG 1/4 - 5/32 C

PY-C

Union Y



MODEL(φD)

Tube Metric	Tube Inch
PY 03C	
PY 04C	
PY 06C	

PW-C

Reducer Y



MODEL(φD1-φD2)

Tube Metric	Tube Inch
PW 04-03C	PW 5/32 - 1/8 C
PW 06-03C	PW 1/4 - 1/8 C
PW 06-04C	PW 1/4 - 5/32 C

PGJ-C

Plug-In Reducer



MODEL(φD1-φD2)

Tube Metric	Tube Inch
PGJ 04-03C	PGJ 5/32 - 1/8 C
PGJ 06-03C	PGJ 1/4 - 1/8 C
PGJ 06-04C	PGJ 1/4 - 5/32 C

PP-C

Plug



MODEL(φD1-φD2)

Tube Metric	Tube Inch
PP 03C	PP 1/8 C