

Applications

- One touch type pipe connection tool for air pressure piping.
- Various uses depending on the user's environment.

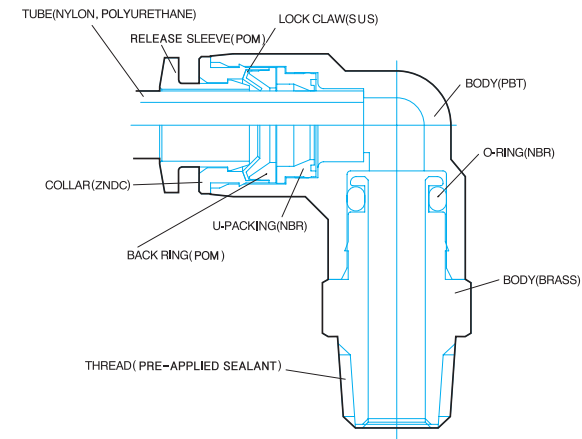
Features

- One action inserts the tube to release and connect easily.
- The PC type has interior and exterior hexagonal shapes for efficient piping in limited spaces.
- The main body of the PL and PT types is a rotating structure for efficient piping.
- The screw section has O-ring, or Teflon coated.

Specifications

- Fluid type : Air (No other gases or liquids)
- Working pressure : 0~150PSI / 0~9.9Kgf/cm² (0~990kPa)
- Negative pressure : -29.5 in Hg / -750mmHg (-750Torr)
- Working temperature : 32~140° F / 0~60° C
- Applicable Tube : Polyurethane and Nylon

Structural Diagram



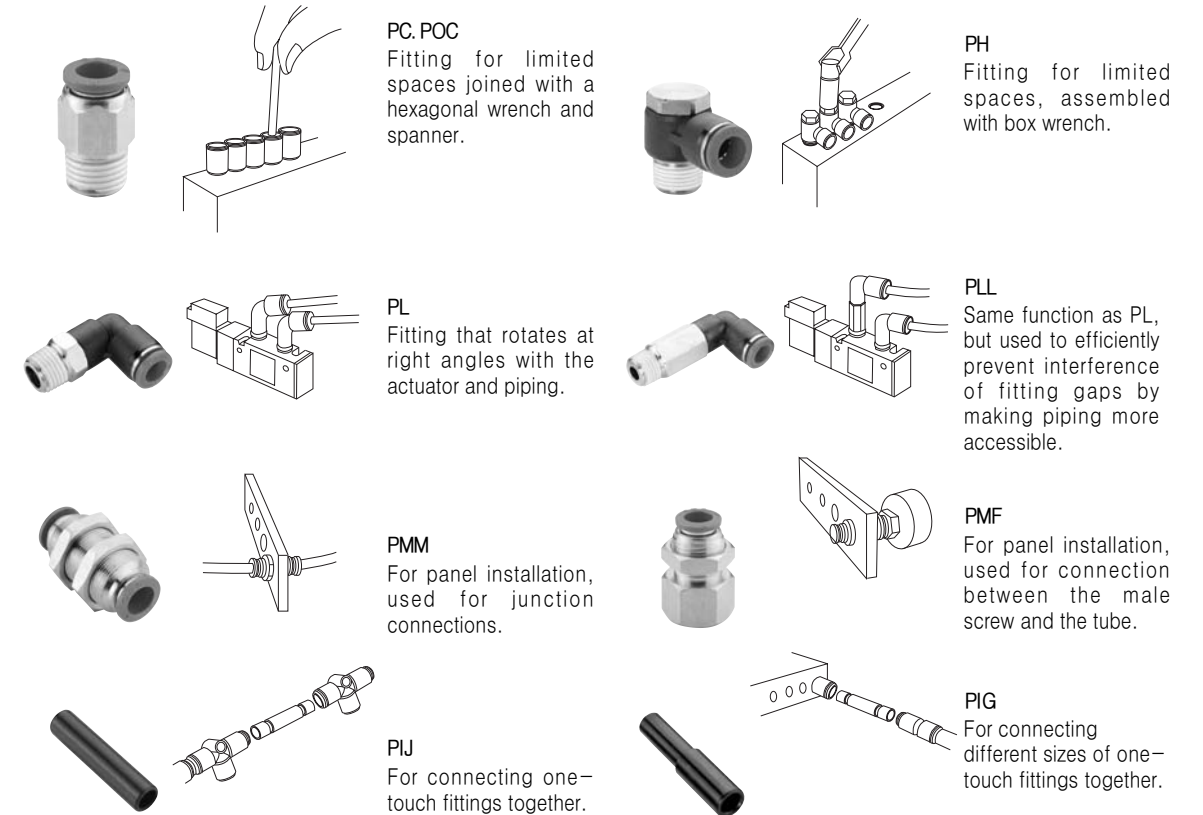
Conversion

kgf/cm ²	bar	Pa(N/m ²)	atm	mHg	lbf/in ²
1	0.980665	0.980665E5	0.9678	0.7356	14.22
1.0197	1	1E-5	0.9869	0.7501	14.50
1.0197E-5	1E-5	1	0.9869E-5	7.501E-6	1.450E-4
1.0332	1.0325	1.0325E5	1	0.760	14.70
1.3595	1.3332	1.3332E5	1.3158	1	19.34
0.07031	0.06895	6.895E3	0.06805	0.05171	1

Applied example

- The interior and exterior hexagonal part can be assembled using a spanner and hexagonal wrench in screw joining.
- The injection body of the PL and PT models rotates to allow direction changes according to piping direction.
- The sleeve is circular so that it is free of equipment setting.

Form



Product Code System

METRIC - BSPT(R)

PC 06-01-N

OneTouch Fitting	Tube Dia		Thread Size		Plating	Sleeve Color
	CODE	SIZE	METRIC THREAD			
	04	Ø4	M5	M5×0.8	Nickel	Blue
	06	Ø6	M6	M6×1.0		
	08	Ø8	R(PT) THREAD			
	10	Ø10				
	12	Ø12	01	R1/8		
	16	Ø16	02	R1/4		
			03	R3/8		
			04	R1/2		

METRIC - BSPP(G)

PC 06-G01

OneTouch Fitting	Tube Dia		Thread Size		Sleeve Color
	CODE	SIZE	METRIC THREAD		
	04	Ø4	M5	M5×0.8	Blue
	06	Ø6	M6	M6×1.0	
	08	Ø8	G(PF) THREAD		
	10	Ø10			
	12	Ø12	G01	G1/8	
	16	Ø16	G02	G1/4	
			G03	G3/8	
			G04	G1/2	

INCH - BSPT(R)

PC-1/4-01

OneTouch Fitting	Tube Dia		Thread Size	
	CODE	SIZE	R(PT) THREAD	
	5/32	Ø5/32	01	R1/8
	3/16	Ø3/16	02	R1/4
	1/4	Ø1/4	03	R3/8
	5/16	Ø5/16	04	R1/2
	3/8	Ø3/8		
	1/2	Ø1/2		

INCH - NPT

PC-1/4-N1

OneTouch Fitting	Tube Dia		Thread Size	
	CODE	SIZE	UNF THREAD	
	5/32	Ø5/32	U	10-32UNF
	3/16	Ø3/16	NPT THREAD	
	1/4	Ø1/4		
	5/16	Ø5/16	N1	NPT1/8
	3/8	Ø3/8	N2	NPT1/4
	1/2	Ø1/2	N3	NPT3/8
			N4	NPT1/2

CAUTION

- Be sure to refer to the Safety Caution, Classification of Warning Indications (P7), and Common Caution of Fitting Products (P8) before use.
- Assemble the fitting according to the proper connection torque value (P7).
- Proper torque refers to connection by hand and 2~3 rotations using a tool. Excessive pressure may damage the screw.
- To insert the tube into the fitting, cut the tube at a right angle, insert it fully to the end, and pull the tube gently to make sure it isn't released.
- Avoid piping under tension, and also avoid high curvature piping at the tube insertion section of the fitting.

WARNING

- Be sure to prevent pressure buildup due to twisting, pulling, and bending of the fitting product. This may cause product damage or air leakage.
- When the applied fluid is water, do not use the product if it does not meet all specifications. Fitting damage, tube release, and compressed air leakage may occur.

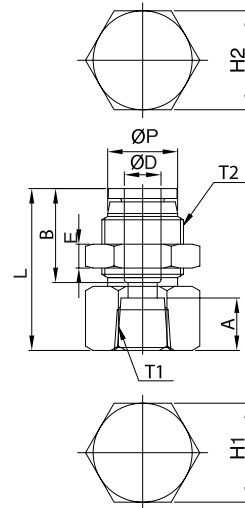
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PMF



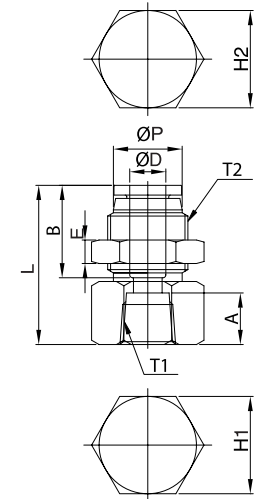
METRIC-BSPT(R)

MODEL	ØD	ØP	T1	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF 04-01			Rc1/8	26.7		8.0		14			19.8	100
PMF 04-02	4	10.0	Rc1/4	28.7	4	10.0	16.8	17	14	3.0	24.8	100
PMF 04-03			Rc3/8	29.7		11.0		22			37.8	50
PMF 06-01			Rc1/8	28.3		8.0		17			33.8	100
PMF 06-02	6	12.0	Rc1/4	30.3	4	10.0	17.6	17	17	5.0	27.8	100
PMF 06-03			Rc3/8	31.3		11.0		22			42.8	50
PMF 08-01			Rc1/8	29.5		8.0		19			43.7	50
PMF 08-02	8	14.0	Rc1/4	31.5	5	10.0	18.7	19	19	6.0	38.7	50
PMF 08-03			Rc3/8	32.5		11.0		22	19	6.0	44.7	50
PMF 08-04			Rc1/2	34.5		14.0		24			45.7	25
PMF 10-01			Rc1/8	30.4		8.0		24			76.5	50
PMF 10-02	10	16.1	Rc1/4	32.4	5	10.0	19.6	24	24	8.0	70.5	50
PMF 10-03			Rc3/8	33.4		11.0		24	24	8.0	63.5	25
PMF 10-04			Rc1/2	36.2		14.0		24			54.5	25
PMF 12-02			Rc1/4	37.9		10.0		24			81.3	25
PMF 12-03	12	19.0	Rc3/8	37.9	5	11.0	21.9	24	26	10.0	72.3	25
PMF 12-04			Rc1/2	39.9		14.0		24			65.3	25



INCH-NPT

MODEL	ØD	ØP	T1	T2	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF 5/32-N1	5/32	10.0	NPT 1/8	M12×1.0p	27.1	4	8.5	16.3	9/16	14	3.0	19.8	100
PMF 3/16-N1	3/16	11.1	NPT 1/8	M12×1.0p	28.3	4	8.5	16.8	11/16	14	4.0	19.8	100
PMF 3/16-N2			NPT 1/4		30.3		10.5		11/16			24.8	100
PMF 1/4-N1	1/4	13.0	NPT 1/8	M14×1.0p	30.9	4	8.5	17.4	11/16	17	5.0	33.8	100
PMF 1/4-N2			NPT 1/4		30.9		10.5		11/16			27.8	100
PMF 5/16-N1			NPT 1/8		29.5		8.5		3/4			43.7	50
PMF 5/16-N2	5/16	14.0	NPT 1/4	M16×1.0p	31.5	5	10.5	18.7	3/4	19	6.0	38.7	50
PMF 5/16-N3			NPT 3/8		32.5		11.5		7/8			45.7	50
PMF 3/8-N2	3/8	16.7	NPT 1/4	M20×1.0p	33.3	5	10.5	20.2	15/16	24	8.0	71.4	50
PMF 3/8-N3			NPT 3/8		34.3		11.5		15/16			64.4	50
PMF 1/2-N2	1/2	20.3	NPT 1/4		39.0	5	10.5	22.0	15/16	26	10.0	78.1	25
PMF 1/2-N3			NPT 3/8	M22×1.0p	39.0	5	11.5	22.0	15/16	26	10.0	88.1	25
PMF 1/2-N4			NPT 1/2		41.0		14.5		15/16			68.1	25



METRIC-BSPP(G)

MODEL	ØD	ØP	T1	T2	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF04-G01			G1/8		26.7		8.0		14	14		17.8	100
PMF04-G02	4	10.0	G1/4	M12×1.0p	28.7	4	10.0	16.8	17	14	3.0	23.8	100
PMF04-G03			G3/8		29.7		11.0		22	14		36.8	50
PMF06-G01			G1/8		28.3		8.0		17	17		32.8	100
PMF06-G02	6	12.0	G1/4	M14×1.0p	30.3	4	10.0	17.6	17	17	5.0	26.8	100
PMF06-G03			G3/8		31.3		11.0		22	17		40.8	50
PMF08-G01			G1/8		29.5		8.0		19	19		42.7	50
PMF08-G02	8	14.0	G1/4	M16×1.0p	31.5	5	10.0	18.7	19	19	6.0	37.7	50
PMF08-G03			G3/8		32.5		11.0		22	19		43.7	50
PMF10-G02			G1/4		32.4		10.0		24	24		69.5	50
PMF10-G03	10	16.1	G3/8	M20×1.0p	33.4	5	11.0	19.6	24	24	8.0	61.5	25
PMF10-G04			G1/2		36.2		14.0		24	24		52.5	25
PMF12-G02			G1/4		37.9		10.0		24	26		80.3	25
PMF12-G03	12	19.0	G3/8	M22×1.0p	37.9	5	11.0	21.9	24	26	10.0	72.3	25
PMF12-G04			G1/2		39.9		14.0		24	26		64.3	25

