



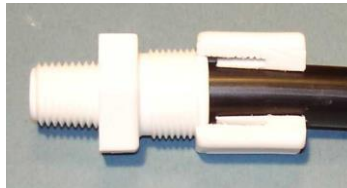
Compotech supplies JACO **nut + sleeve** (integral or double) fittings suitable for thermoplastic flexible or rigid tubing. Each fitting is supplied with nut already mounted and ready to use.

Our range includes:

- **Nylon** fittings (for organic solvents, oil, benzene)
- **Polypropylene** fittings (for acids and weak bases)
- **PVDF** fittings (for strong acids, aggressive fluids and Ozone)



Double Ferrule Nut



Nut integral sleeve (single sleeve)



Sizes:

- Inch tubing (1/8 to 7/8 OD);
- Metric tubing (6 to 22mm OD);

Our fittings have **NPT** threads, while we can supply **GAS** threads on specific request.

Working Conditions:

- **Pressure:** 15 / 20 bar (double ferrule);
- **Temperature :** 80 C° (PP/ PVDF/Nylon).

PVDF, PP & Nylon JACO fittings: performances

- **Fast and easy assembly:** nut tightened by hand.
- **Inside full bore section** (no insert inside the tubing).
- **Gripper nut** to avoid pull-out also for Teflon tubing.
- **Suitable** also with **rigid tube** (Copper / Aluminum).
- Good **resistance** to **mechanical vibrations**, due to material elasticity.
- **Same material for all wetted parts** , to get the best chemical resistance: no seals nor O-rings in other materials.

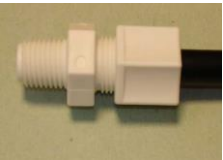
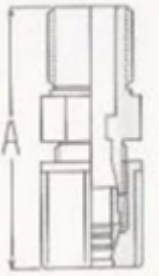
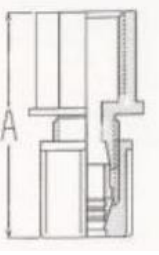
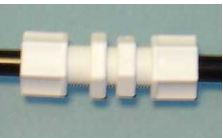
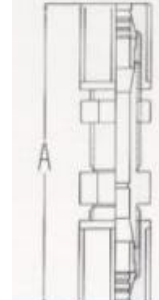
NOTE

Herebelow List refers to fittings



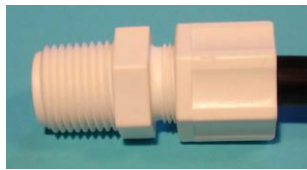
with **Double Ferrule Nut**

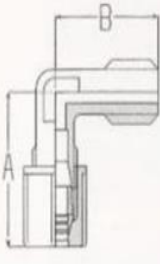
mostly used

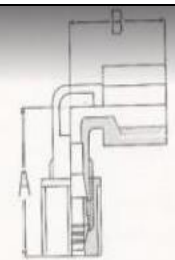
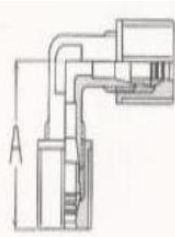
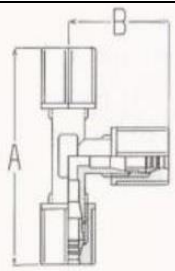
	Cod RO2*....	Tube diameter (outer) Inch size	NPT thread	Cod RO2*....	Tube diameter (outer) Metric size	NPT thread	A	Hexagon	
Male connector 	02P02 04P02 04P04 04P06 05P02 05P04 06P02 06P04 06P06 06P08 08P02 08P04 08P06 08P08 10P06 10P08 12P08 12P12 14P12	1/8 1/4 1/4 1/4 5/16 5/16 3/8 3/8 3/8 3/8 1/2 1/2 1/2 1/2 5/8 5/8 3/4 3/4 7/8	1/8 1/8 1/4 3/8 1/8 1/4 1/8 1/4 3/8 1/2 1/8 1/4 3/8 1/2 1/2 1/2 3/4 3/4	02P02 06M02 06M04 06M06 05P02 05P04 06P02 06P04 06P06 06P08 12M02 12M04 12M06 12M08 10P06 10P08 12P08 12P12 14P12	3mm 6mm 6mm 6mm 8mm 8mm 10mm 10mm 10mm 10mm 12mm 12mm 12mm 12mm 16mm 16mm 19mm 19mm 22mm	1/8 1/8 1/4 3/8 1/8 1/4 3/8 1/4 3/8 1/2 1/8 1/4 3/8 1/2 1/2 1/2 3/4 3/4	31 37 42 43 38 45 41 45 48 52 47 51 52 56 53 59 63 66 **	11 16 16 21 18 18 21 21 21 24 24 24 24 28 28 34 34 **	
Cod RO2*68.... Replace * by following letter for material required *= P Poliprop *= K PVDF *= N Nylon									
Female Connector 	04P02 04P04 05P04 06P04 06P06 06P08 08P06 08P08 10P08	1/4 1/4 5/16 3/8 3/8 3/8 1/2 1/2 5/8	1/8 1/4 1/4 1/4 3/8 1/2 3/8 1/2 1/2	06M02 06M04 05P04 06P04 06P06 06P08 12M06 12M08 10P08	6mm 6mm 8mm 10mm 10mm 10mm 12mm 12mm 16mm	1/8 1/4 1/4 1/4 3/8 1/2 3/8 1/2 1/2	35 39 44 43 43 44 49 50 54	28 21 20 20 24 28 24 28 28	
Bulkhead 	04P04P 05P05P 06P06P 08P08P 12P12P	1/4x1/4 5/16x5/16 3/8x3/8 1/2x1/2 3/4x3/4	--- --- --- --- ---	06M06M 05P05P 06P06P 12M12M 12P12P	6mmx6mm 8mmx8mm 10mmx10mm 12mmx12mm 19mmx19mm	--- --- --- --- ---	60 66 68 75 94	16 18 23 27 33	
Cod RO2*82.... Replace * by following letter for material required *= P Poliprop *= K PVDF *= N Nylon									

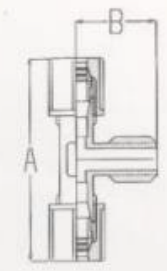
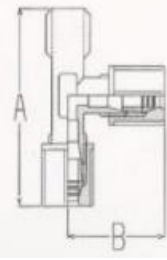
Union straight  Cod RO2*62.... Replace * by following letter for material required *=P Poliprop *=K PVDF *=N Nylon	04P04P	1/4x1/4	---	06M06M	6mmx6mm	---	50	16	
	04P02P	1/4x1/8	---	06M02P	6mmx3mm	---	44	16	
	05P05P	5/16x5/16	---	05P05P	8mmx8mm	---	53	18	
	06P04P	3/8x1/4	---	06P06M	10mmx6mm	---	54	21	
	06P06P	3/8x3/8	---	06P06P	10mmx10mm	---	53	21	
	08P06P	1/2x3/8	---	12M06P	12mmx10mm	---	62	25	
	08P08P	1/2x1/2	---	12M12M	12mmx12mm	---	67	24	
	10P10P	5/8x5/8	---	10P10P	16mmx16mm	---	69	28	
	10P06P	5/8x3/8	---	10P06P	16mmx10mm	---	**	**	
	10P08P	5/8x1/2	---	10P12M	16mmx12mm	---	**	**	
12P12P	3/4x3/4	---	12P12P	19mmx19mm	---	82	34		
14P14P	7/8x7/8	---	14P14P	22mmx22mm	---	85	37		
14P10P	7/8x5/8	---	14P10P	22mmx16mm	---	**	**		

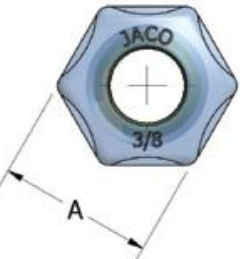
Reducing Union connector  Since it is not standardized by Jaco, we propose the following alternative	Male conn. 1/4 NPT for 12 mm tubing				Female conn. 1/4 NPT for 6 mm tubing			
	 Cod RO2* 6812M04P				 Cod RO2*6606M04P			

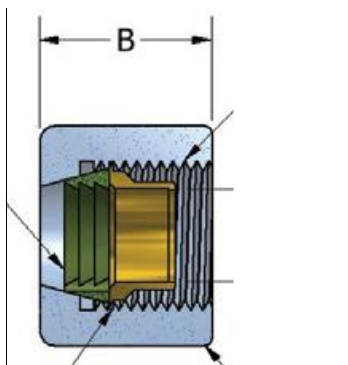
Reducing Union connector  Since it is not standardized by Jaco, we propose the following alternative	Male conn. 1/4 NPT for 12 mm tubing				Female conn. 1/4 NPT for 8 mm tubing			
	 Cod RO2* 6812M04P				 Cod RO2*6605P04			

	Cod RO2*....	Tube diameter (outer) Inch size	NPT thread	Cod RO2*....	Tube diameter (outer) Metric size	NPT thread	A	B	
Male elbow  Cod RO2*69.... Replace * by following letter for material required *=P Poliprop *=K PVDF *=N Nylon	02P02	1/8	1/8	02P02	3mm	1/8	23	16	
	04P02	1/4	1/8	06M02	6mm	1/8	31	21	
	04P04	1/4	1/4	06M04	6mm	1/4	42	26	
	04P06	1/4	3/8	06M06	6mm	3/8	33	26	
	05P02	5/16	1/8	05P02	8mm	1/8	35	13	
	05P04	5/16	1/4	05P04	8mm	1/4	37	28	
	06P04	3/8	1/4	06P04	10mm	1/4	35	28	
	06P06	3/8	3/8	06P06	10mm	3/8	36	27	
	08P04	1/2	1/4	12M04	12mm	1/4	43	28	
	08P06	1/2	3/8	12M06	12mm	3/8	42	27	
	08P08	1/2	1/2	12M08	12mm	1/2	42	32	
	10P06	5/8	3/8	10P06	16mm	3/8	44	32	
	10P08	5/8	1/2	10P08	16mm	1/2	48	37	

Female elbow  Cod RO2*70.... Replace * by following letter for material required *=P Poliprop *=K PVDF *=N Nylon	02P04	1/8	1/4	02P04	3mm	1/4	28	26			
	04P02	1/4	1/8	06M02	6mm	1/8	33	21			
	04P04	1/4	1/4	06M04	6mm	1/4	33	26			
	05P04	5/16	1/4	05P04	8mm	1/4	35	26			
	06P04	3/8	1/4	06P04	10mm	1/4	40	26			
	06P06	3/8	3/8	06P06	10mm	3/8	35	26			
	08P06	1/2	3/8	12M06	12mm	3/8	42	34			
	08P08	1/2	1/2	12M08	12mm	1/2	41	34			
	10P08	5/8	1/2	10P08	16mm	1/2	**	**			
	Union elbow  Cod RO2*65.... Replace * by following letter for material required *=P Poliprop *=K PVDF *=N Nylon	04P04P	1/4x1/4	---	06M06M	6mmx6mm	---	31		---	
05P05P		5/16x5/16	---	05P05P	8mmx8mm	---	36	---			
06P06P		3/8x3/8	---	06P06P	10mmx10mm	---	35	---			
08P08P		1/2x1/2	---	12M12M	12mmx12mm	---	42	---			
10P10P		5/8x5/8	---	10P10P	16mmx16mm	---	47	---			
12P12P		3/4x3/4	---	12P12P	19mmx19mm	---	**	---			
14P14P		7/8x7/8	---	14P14P	22mmx22mm	---	**	---			
14P10P		7/8x5/8	---	14P10P	22mmx16mm	---	**	---			
Union Tee  Cod RO2*64.... Replace * by following letter for material required *=P Poliprop *=K PVDF *=N Nylon		02P02	1/8x1/8x1/8	---	02P02	3x3x3(mm)	---	45	23		
		04P04	1/4x1/4x1/4	---	06M06M	6x6x6(mm)	---	62	30		
	05P05	5/16x5/16x5	---	05P05	8x8x8(mm)	---	67	32			
	06P06	3/8x3/8x3/8	---	06P06	10x10x10(mm)	---	72	35			
	08P08	1/2x1/2x1/2	---	12M12M	12x12x12(mm)	---	85	43			
	10P10	5/8x5/8x5/8	---	10P10	16x16x16(mm)	---	98	47			
	12P12	3/4x3/4x3/4	---	12P12	19x19x19(mm)	---	110	55			
	14P14	7/8x7/8x7/8	---	14P14	22x22x22(mm)	---	**	**			
	Union Tee reduced  Since it is not standardized by Jaco, we propose the following alternative	Male branch tee 3/8NPT for tubing 10mm  Cod RO2*7206P06				Female conn. 3/8 NPT for 12 mm tubing  Cod RO2*6612M06P					

Union Tee reduced  Since it is not standardized by Jaco, we propose the following alternative	Male run tee 3/8 NPT for tubing 12 mm  Cod RO2*7112M06P					Female conn. 3/8 NPT for 10 mm tubing  Cod RO2*6612M06P				
Male branch tee  Cod RO2*72.... Replace * by following letter for material required *=P Poliprop *=K PVDF *=N Nylon	04P02 04P04 05P04 06P04 06P06 08P06 08P08 10P08 12P08 12P12 14P12P	1/4 1/4 5/16 3/8 3/8 1/2 1/2 5/8 3/4 3/4 7/8	1/8 1/4 1/4 1/4 3/8 3/8 1/2 1/2 1/2 3/4 3/4	06M02 06M04 05P04 06P04 06P06 12M06 12M08 10P08 12P08 12P12 14P12P	6mm 6mm 8mm 10mm 10mm 12mm 12mm 16mm 19mm 19mm 22mm	1/8 1/4 1/4 1/4 3/8 3/8 1/2 1/2 1/2 3/4 3/4	62 62 65 72 71 83 84 95 ** ** **	20 24 25 28 28 31 34 37 ** ** **		
Male run tee  Cod RO2*71.... Replace * by following letter for material required *=P Poliprop *=K PVDF *=N Nylon	04P02 04P04 05P04 06P04 06P06 08P06 08P08 10P08 12P08 12P12 14P12	1/4 1/4 5/16 3/8 3/8 1/2 1/2 5/8 3/4 3/4 7/8	1/8 1/4 1/4 1/4 3/8 3/8 1/2 1/2 1/2 3/4 3/4	06M02 06M04 05P04 06P04 06P06 12M06 12M08 10P08 12P08 12P12 14P12	6mm 6mm 8mm 10mm 10mm 12mm 12mm 16mm 19mm 19mm 22mm	1/8 1/4 1/4 1/4 3/8 3/8 1/2 1/2 1/2 3/4 3/4	50 54 59 63 66 72 75 ** 112 ** **	31 29 33 35 35 43 43 ** 41 ** **		

	Tube diameter (outer) <i>Inch size</i>	Tube diameter (outer) <i>Metric size</i>	A	B
	1/4	6mm	16mm	17mm
	5/16	8mm	18mm	19mm
	3/8	10mm	21mm	19mm
	1/2	12mm	23mm	22mm
	5/8	16mm	29mm	22mm
	3/4	19mm	33mm	25mm

	7/8	22mm	37mm	29mm
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JACO fittings for soft tubings(Silicone ,PVC, Tygon)



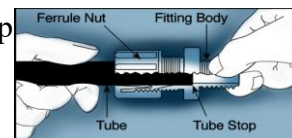
Pvdf fitting insert, suitable for with 6x4 mm silicone tubing. Thank to the insert, it is possible to use still PVDF JACO fitting and avoid the tubing collapse under nut tightening.

Assembling Instructions

- Cut the tubing squarely, using the hand tool



- For threaded ends (NPT) male or fem., screw the fitting (use Teflon sealing tape).
- Insert the tubing through the back of the nut up to the tube stop inside the body. (see figure)



- Tighten by hand (or wrench for higher diam.) the nut (about ½ turns) up to covering male threads on fitting body.
- For use above ambient temperature, retighten nuts when system reaches operating temperature.

Note: Should inadvertently the sleeves pull out of the Nut, reinsert them as follows:

