



**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);


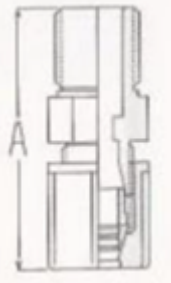

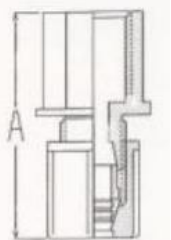

Our fittings have **NPT** threads, while we can supply **GAS** threads on specific request.


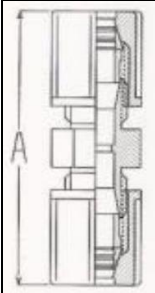

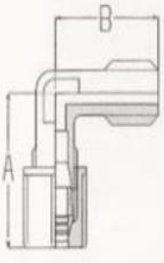

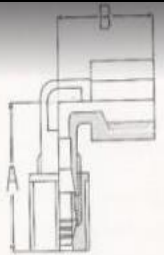

Working Conditions:


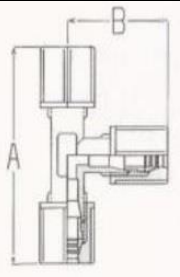

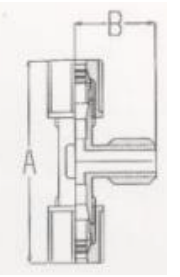

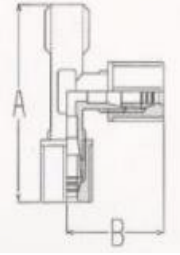
- **Pressure:** 15 / 20 bar (double ferrule);
- **Temperature** : 80 C° (PP/ PVDF/Nylon).

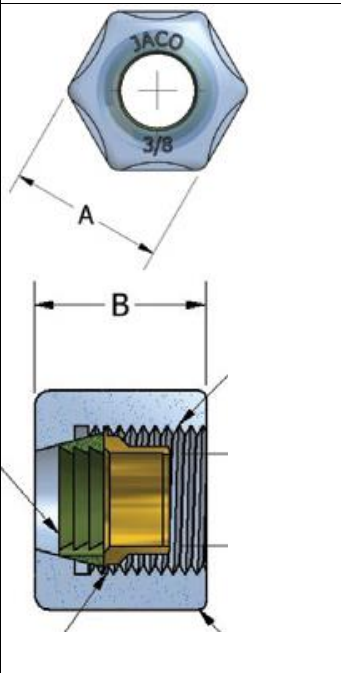
### PVDF, PP & Nylon JACO fittings: performances

- **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).
- **Minimum fluid drop pressure**, thanks to large effective fluid cross sections.
- 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.

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

Union straight  Cod RO2*62.... *=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	---	**	**	
		<b>Cod RO2*....</b>	<b>Tube diameter (outer) Inch size</b>	<b>NPT thread</b>	<b>Cod RO2*....</b>	<b>Tube diameter (outer) Metric size</b>	<b>NPT thread</b>	<b>A</b>	
Male elbow  Cod RO2*69.... *=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.... *=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.... *=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	---	**	---	

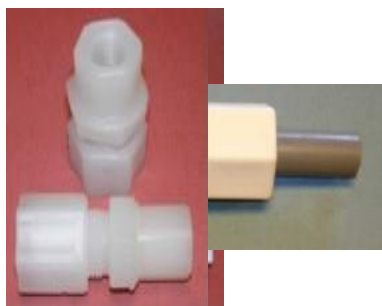
<p>Union Tee</p>  <p>Cod RO2*64....            *=P Poliprop            *=K PVDF            *=N Nylon</p>	02P02	1/8x1/8x1/8	---	02P02	3x3x3(mm)	---	45	23		
	04P04	1/4x1/4x1/4	---	06M06M	6x6x6(mm)	---	62	30		
	05P05	5/16x5/16x5	---	05P05	8x8x8(mm)	---	67	32		
	06P06	3/8x3/8x3/8	---	06P06	10x10x10(mm)	---	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)	---	**	**		
<p>Male branch tee</p>  <p>Cod RO2*72....            *=P Poliprop            *=K PVDF            *=N Nylon</p>	04P02	1/4	1/8	06M02	6mm	1/8	62	20		
	04P04	1/4	1/4	06M04	6mm	1/4	62	24		
	05P04	5/16	1/4	05P04	8mm	1/4	65	25		
	06P04	3/8	1/4	06P04	10mm	1/4	72	28		
	06P06	3/8	3/8	06P06	10mm	3/8	71	28		
	08P06	1/2	3/8	12M06	12mm	3/8	83	31		
	08P08	1/2	1/2	12M08	12mm	1/2	84	34		
	10P08	5/8	1/2	10P08	16mm	1/2	95	37		
	12P08	3/4	1/2	12P08	19mm	1/2	**	**		
	12P12	3/4	3/4	12P12	19mm	3/4	**	**		
14P12P	7/8	3/4	14P12P	22mm	3/4	**	**			
<p>Male run tee</p>  <p>Cod RO2*71....            *=P Poliprop            *=K PVDF            *=N Nylon</p>	04P02	1/4	1/8	06M02	6mm	1/8	50	31		
	04P04	1/4	1/4	06M04	6mm	1/4	54	29		
	05P04	5/16	1/4	05P04	8mm	1/4	59	33		
	06P04	3/8	1/4	06P04	10mm	1/4	63	35		
	06P06	3/8	3/8	06P06	10mm	3/8	66	35		
	08P06	1/2	3/8	12M06	12mm	3/8	72	43		
	08P08	1/2	1/2	12M08	12mm	1/2	75	43		
	10P08	5/8	1/2	10P08	16mm	1/2	**	**		
	12P08	3/4	1/2	12P08	19mm	1/2	112	41		
	12P12	3/4	3/4	12P12	19mm	3/4	**	**		
14P12	7/8	3/4	14P12	22mm	3/4	**	**			

	<b>Tube diameter (outer)</b> <i>Inch size</i>	<b>Tube diameter (outer)</b> <i>Metric size</i>	<b>A</b>	<b>B</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

## Not standard fittings styles


We can supply on customer's request – also for low quantities – some not standard JACO fitting styles, welding by polifusion two original JACO fittings: same performances are granted for both PP and PVDF fittings.

You can find herebelow some examples: for other styles please contact our Technical Department.



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1/2 NPT female connector (6mm tubing)	3/4 NPT male connector (16mm tubing)	1/4 NPT female connector (12mm tubing)
1/8 NPT bulkhead female connector (6mm tubing)	1/4 NPT female elbow (12mm tubing)	Bulkhead male connector
		

Bulkhead union elbow

Union branch tee

Union (reduced) 16mm\_8mm

### Customized ends (examples)

	<p>Jaco 6mm x Luer male</p>
	<p>Jaco 6mm x barbed fittings (Y 1/8 )</p>

### 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.

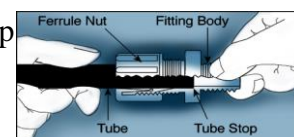
### Assembling Instructions

- 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 1/2 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:

