

Feature

NPT thread

Zero particle

Experience in Semicon market

American standard thread NPT

With expansion of our NPT thread type line up, C1 series enables to adapt for American standard manufacturing machines and processes.

High performance, free of dust and contamination

Assembled after cleaning each part in a clean room
No oil or fat is used in the sealing materials.

Nonmetal liquid-contact surface

The material is Polypropylene and EPDM.
No contact of liquid and metal, preventing metal ions from dissolving.

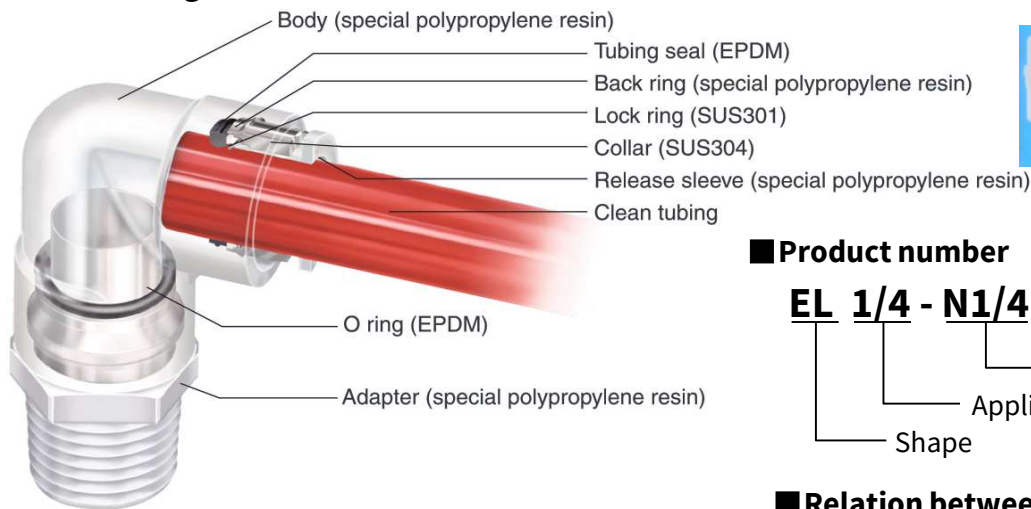
Extensive experience in Semicon manufacturing process

C1 has supported semiconductor manufacturing process over the years, for wafer cleaning equipment and other front end process.



Specifications

Structure diagram



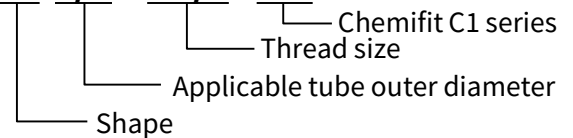
Distinction of thread

SIGN on HEX



Product number

EL 1/4 - N1/4 - C1



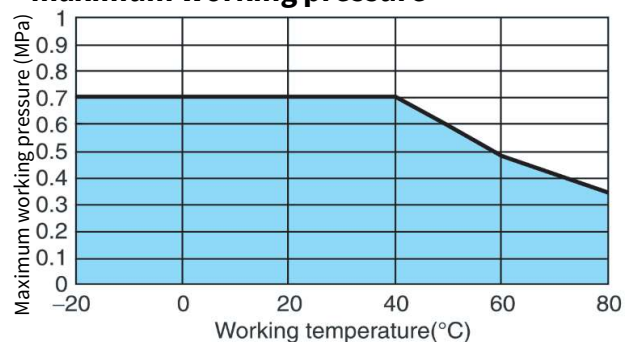
Operating fluid・Working temperature

Operating fluid	Working temperature range
Air (clean air)	-20°C ~ +80°C
water (pure water)	0°C ~ +80°C

Pressure condition


Maximum working pressure : 0.7MPa (at 20°C)
Negative pressure performance : -99.975kPa


Relation between working temperature maximum working pressure





Lineup chart


Need more lineup? please let us know your comment.

Connector EC*-C1 	Thread size	Tube OD (inch)				Tube OD (mm)			
		1/4	5/16	3/8	1/2	6	8	10	12
	NPT1/8	●				●			
	NPT1/4	●		●		●		●	
	NPT3/8								
NPT1/2			●	●			●		

90° elbow EL*-C1 	Thread size	Tube OD (inch)				Tube OD (mm)			
		1/4	5/16	3/8	1/2	6	8	10	12
	NPT1/8	●	●			●	●		
	NPT1/4	●	●	●		●	●	●	
	NPT3/8			●	●			●	●
NPT1/2									

Tee ET*-C1 	Thread size	Tube OD (inch)				Tube OD (mm)			
		1/4	5/16	3/8	1/2	6	8	10	12
	NPT1/8	●	●			●	●		
	NPT1/4	●	●	●		●	●	●	
	NPT3/8			●	●			●	●
NPT1/2									

Service tee EST*-C1 	Thread size	Tube OD (inch)				Tube OD (mm)			
		1/4	5/16	3/8	1/2	6	8	10	12
	NPT1/8	●	●			●	●		
	NPT1/4	●	●	●		●	●	●	
	NPT3/8			●	●			●	●
NPT1/2									

Y joint EY*-C1 	Thread size	Tube OD (inch)				Tube OD (mm)			
		1/4	5/16	3/8	1/2	6	8	10	12
	NPT1/8	●	●			●	●		
	NPT1/4	●	●	●		●	●	●	
	NPT3/8			●	●			●	●
NPT1/2									

For more detail, please visit our web site.

<https://www.nitta.co.jp>

Safety Note

Regarding precautions and disclaimers for the handling of the listed products, to ensure safe use of our products, please be sure to read catalogues of "Tubing, Fitting and CHEMIFIT™" on our website before using our products.



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