



LOW PRESSURE FITTINGS

Cheminert low pressure fittings are ideally suited for flow injection analysis, low pressure liquid chromatography, and stream sampling devices. They may be safely used at pressures up to 500 psi and temperatures to 50°C. Two designs of low pressure tube end fittings are available.

Flangeless tube end fittings utilize a collapsible ferrule, which grips the tubing as the fitting is tightened without significantly reducing the tube ID.

Standard tube end fittings are retained on polymeric tubing by a flange formed with a Cheminert flanging tool.

Flangeless tube end fittings

1/4-28

Flangeless tube end fittings eliminate the flanging tool required with standard tube end fittings. The nut turns on the tubing as freely as with our flanged fitting, eliminating the possibility of cracking or unscrewing that can occur when plastic tubing is subjected to twisting as fittings are connected.

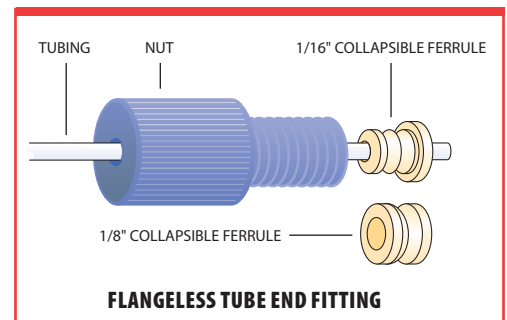
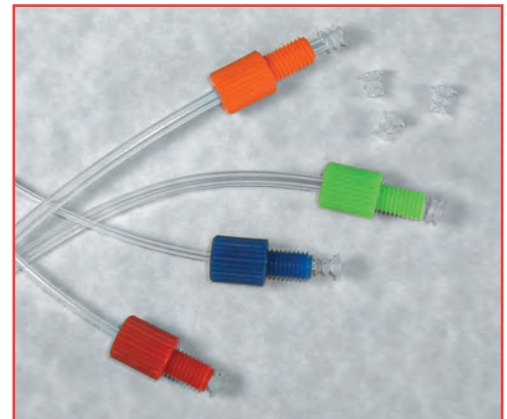
Cheminert flangeless fittings include our patented* collapsible ferrule design. This innovative design utilizes a one-piece ferrule engineered to collapse as it is tightened. The collapse occurs in a narrow area, resulting in a very effective seal with virtually no distortion of the tubing ID and no dead volume. The assembly is rated at 500 psi liquid when tightened by hand. Since only the tubing and the ferrule come into contact with the solution, the result is an inert system.

Cheminert tube end fittings come in twelve different colors for system color coding, and work with any 1/16" or 1/8" OD polymeric tubing. Use CTFE ferrules for soft tubing (PTFE, FEP, etc.) and PEEK ferrules for harder tubing (PEEK, ETFE, polyurethane, etc.)

* Patent No. 6,575,501

		1/16" OD Prod No	1/8" OD Prod No
Flangeless fittings with CTFE ferrules (package/5)	Black	CFL-1BK	CFL-2BK
	Blue	CFL-1BE	CFL-2BE
	Brown	CFL-1BR	CFL-2BR
	Green	CFL-1G	CFL-2G
	Natural	CFL-1N	CFL-2N
	Red	CFL-1R	CFL-2R
	White	CFL-1W	CFL-2W
Assorted flangeless fittings (package/12, one of each color)	with CTFE ferrule	CFL-1A	CFL-2A
	with PEEK ferrule	CFL-1A-PK	CFL-2A-PK
Setting tool		CST	CST
Replacements			
PEEK ferrules (package/10)		CFL-CB1PK	CFL-CB2PK
CTFE ferrules (package/10)		CFL-CB1KF	CFL-CB2KF
PEEK nuts (package/10)		CFL-1PK	CFL-2PK

Also available in dark gray, lavender/pink, orange, purple, and yellow.



CONVERSIONS	
0.25 mm ≈ .010"	7.0 mm ≈ .275"
0.50 mm ≈ .020"	10.0 mm ≈ .400"
0.75 mm ≈ .030"	27.0 mm ≈ 1.08"
1.0 mm ≈ .040"	1/32" ≈ 0.8 mm
1.5 mm ≈ .060"	1/16" ≈ 1.6 mm
2.0 mm ≈ .080"	1/8" ≈ 3.2 mm
4.6 mm ≈ .180"	1/4" ≈ 6.4 mm
6.0 mm ≈ .236"	3/8" ≈ 9.5 mm
6.4 mm ≈ .253"	1/2" ≈ 12.7 mm