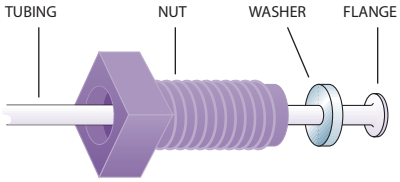
Low Pressure Standard Tube End Fittings and External Nuts

Standard flanged tube end fittings *1/4-28*

The basic component of the Cheminert system is the polypropylene nut, retained on PTFE or FEP tubing by a flange formed with a Cheminert flanging tool *(page 70)*. This is an excellent method for connecting fluorocarbon tubing, as there is no reduction of the inside diameter and no binding or twisting of the tubing when the fitting is tightened. A mating of the parts is achieved with zero dead volume, making this an ideal fitting for biological systems.

Cheminert tube end fittings come in twelve different colors for system color coding, and are available for 1/16" or 1/8" OD fluorocarbon tubing. (While in theory other polymers could be molded to form a flange, only fluorocarbons such as PTFE or FEP have low-temperature malleability and good form retention at operating temperatures.) Tube end fittings attach directly to Cheminert valves and fittings, and are easily joined to each other with a union. Tightening by hand is all that is required to make a leak-free seal at 500 psi liquid, although for long term reliability a wrench could be used to apply an additional 1/8 turn.

Packages include the same number of washers as fittings.



Flanged tube end fitting

Flanged fittings		**1/16" OD**		**1/8" OD**	
	(pkg/10)	*Prod No*	*Price*	*Prod No*	*Price*
	Black	CF-1BK		CF-2BK	
	Blue	CF-1BE		CF-2BE	
	Brown	CF-1BR		CF-2BR	
	Dark gray	CF-1DG		CF-2DG	
	Green	CF-1G		CF-2G	
	Lavender/pink	CF-1L		CF-2L	
	Natural	CF-1N		CF-2N	
	Orange	CF-1E		CF-2E	
	Purple	CF-1P		CF-2P	
	Red	CF-1R		CF-2R	
	White	CF-1W		CF-2W	
	Yellow	CF-1Y		CF-2Y	
	Assorted *(pkg/12, one of each color)*	CF-1A		CF-2A	
Washers	*(pkg/10)*	CF-W1		CF-W2	

MORE INFORMATION

High pressure fittings . . . . . .pp 63-66
PTFE and FEP tubing. 90

TECH TIP

To make up standard flanged tube end fittings, use the flanging tool on page 70.

A flanging starter kit, complete with flanging tool, flanging tips, and an array of tubing and fittings, is also available. *(See page 70.)*

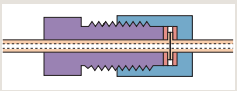
External nuts for flanged tube ends *1/4-28*

External nuts with female 1/4-28 threads are designed for use on tubing with a flanged end, just like the standard tube end fittings. Use them instead of a union or coupling to make a zero volume butt connection.

Package of 5:	**PEEK**		**CTFE**	
Tubing OD	*Prod No*	*Price*	*Prod No*	*Price*
1/16"	CEN1PK		CEN1KF	
1/8"	CEN2PK		CEN2KF	

TECH TIP

Use our external nut tube end fittings to make true zero volume butt connections without a coupling.



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