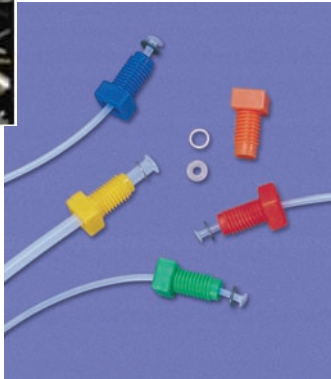


Low Pressure Standard Tube End Fittings and External Nuts



2009 #60



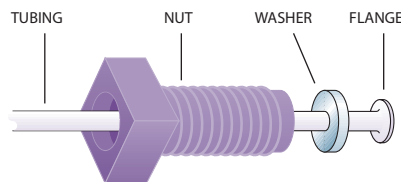
Standard flanged tube end fittings

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

MORE INFORMATION

High pressure fittingspp 63-66
PTFE and FEP tubing..... 90

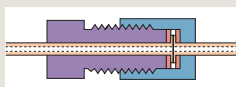
TECH TIP

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.)

TECH TIP

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



Flanged fittings

(pkg/10)

1/16" OD

Prod No

Price

1/8" OD

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

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:

Tubing OD

PEEK

Prod No

Price

CTFE

Prod No

Price

1/16"

CEN1PK

CEN1KF

1/8"

CEN2PK

CEN2KF

