

TLCT/WLCT Series

Hose Specifications



Smooth Chemfluor® FEP Lined EPDM Rubber Covered Hose

Features

- Pure Chemfluor® FEP fluoropolymer; white tube (TLCT)
- Unexcelled chemical Resistance
- Compatible with all Material
- Easy to clean
 - Assured sterility
 - Non-stick smooth tube
 - Can be cleaned with steam, caustics, solvents or other cleaning agents
- Durable, kink resistant with no external wire reinforcement to potentially fray
- Full vacuum rated
- The most flexible, smooth tube fluoropolymer design
- Consult Sani-Tech West for Chemfluor® PFA liner

Temperature Rating

-40°F to +350°F

Construction

Smooth Chemfluor® FEP fluoropolymer tube internally bonded to an EPDM rubber hose type construction. Multiple polyester pycord and EPDM rubber reinforcements. Double helix, high tensile strength carbon steel wire support. Chemically resistant, ozone and abrasion resistant cover of EPDM rubber. Available with green or white covers standard. Color coded TLCT covers can identify specific process lines or be department traced. Special colors available with minimum order quantities per size.

Approvals

- FDA
- Pharmacopoeia Class VI

Fittings

Over 36 styles of stocked crimp style, radially crimped fitting design. "Flare-Thru" designs available (see photos below) with 150# Swivel Style Flanges, Female Cam Lock, (Swivel Style, 316 SS body), and Clamp Style Sanitary



"Flare-Thru" Flange



W.S.I.B. Sanitary

Benefits of "Flare-Thru"

- Transferred material comes in contact with Chemfluor® liner only
- Self cleaning
- No internal crevices or joints between fitting and tube; eliminates potential bacteria traps
- Higher flow rates than crimp style fittings
- Can be less costly than special alloy fittings or "Crimp Style" encapsulated fittings
- Reduces potential leak paths

TLCT/WLCT Hose Specifications

Part Number	Hose Size ID (in.)	Size Nominal OD (in.)	Recommended Working Pressure (PSI)	Vacuum Rating @70°F (in.)	Minimum Burst Pressure (PSI)	Minimum Recommended Bend Radius (in.)	Approx. Weight Per Ft. (lbs.)
8TLCT	1/2	0.91	500	29.9	2100	2-1/2	0.35
12TLCT	3/4	1.25	500	29.9	2100	3-1/4	0.62
16TLCT	1	1.50	450	29.9	1800	4-3/4	0.15
20TLCT	1-1/4	1.75	320	29.9	1600	7	0.98
24TLCT	1-1/2	2.05	300	29.9	1350	9	1.2
32TLCT	2	2.65	250	29.9	1200	11-1/2	1.5
40TLCT	2-1/2	3.20	200	29.9	900	18	2.35
48TLCT	3	3.70	150	29.9	700	22	2.5
64TLCT	4	4.70	150	29.9	600	34	3.6

*For white cover replace 'TLCT' with 'WTLCT'. Data given is for hose only. End fitting vs. hose pressure limitations must be considered and the lower of the two ratings must be used on assemblies.

Working Pressure is given @70°F; Decrease working pressure 1% for every 2°F above 212°F.

Vacuum Rating is given @70°F; Decrease vacuum rating 1% for every 2°F above 212°F.

For 1-1/4" and larger sizes Vacuum rating decreases when installed less than 2 X min. bend radius.

Flare-Thru and W.S.I.B. fittings are pressure rated only! Not for vacuum service.

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