



JACK-CHEM • Rubber Covered Hose of FEP/PFA

Jack-Chem has been custom engineered for lasting service in the most demanding applications. Jack Chem is constructed with a smooth; non-stick FDA approved white FEP fluoropolymer liner. (PTFE and PFA liners can be custom ordered.) Two plies of synthetic rubber reinforced with horizontal fabric braid are permanently bonded to the FEP tube. A wire helix is included to support the shape in full vacuum service and to prevent kinking. This also provides a grounding path for electrical charges through the exterior body of the hose. For materials that create static buildup on the inner FEP liner, a black conductive FEP liner is required to dissipate the charge. The entire hose is protected by an abrasion resistant and weather resistant rubber cover that will not fade or discolor with age.



Applications

- Chemical Transfer
- Acid Transfer
- Pharmaceutical Manufacturing
- Photo Emulsions
- Food Process
- Large Diameter Smooth Bore
- Tank Truck
- Slurry / Waste

Benefits

- Smooth Bore up to 4" I.D.
- Less turbulence created by smooth bore provides better flow rates.
- Thermal insulation.
- Easily drained / steam cleanable.
- Feel of a rubber hose versus handling braided wire.
- Rated up to 550 PSI working pressure.
- Temperature Rating: -40°F (-40°C) to +250°F(+120°C)

Jack-Chem Teflon Hose Temperature Range: -40°F (-40°C) to +250°F (120°C)						
I.D. NOMINAL (Inch)	O.D. NOMINAL (Inch)	WORKING PRESSURE (psi)	MIN. BURST PRESSURE (psi)	VACUUM RATING (inch. Hg)	Min. Bend RADIUS (inch)	WEIGHT PER FOOT (lbs)
1/2"	0.87	550	2200	29.9	3.0	0.33
3/4"	1.25	450	1800	29.9	3.5	0.60
1"	1.50	450	1800	29.9	4.0	0.73
1 1/2"	2.00	400	1600	29.9	8.5	1.20
2"	2.50	375	1500	29.9	10.5	1.45
3"	3.50	175	700	29.9	25.0	2.40
4"	4.50	150	600	29.9	42.0	3.55

All Pressures and Vacuum ratings calculated at 70°F.