

PTFE Hose - SCTB

Encapsulated PTFE

Part No.: SCTB

Construction: Convoluted

Profile: High Flexibility / Low Pressure

Tube Available: PTFE Virgin / Anti-static Inner Tube

Braid Available: 304 / 316 Stainless Steel

Size Available: 1/4" - 6"

Temperature: -70°C to 260°C

Sintered/Permeation: Slow Sintered (medium level of permeation)

Low | Med | High

Flexibility   

Cycle Life   

Pressure Rating   

Chemical Resistance   

Wall Thickness   

Construction

Use:

The PTFE spiral Liner is extruded within the hose and encapsulated over the flange or fitting, creating a total hygienic seal. The most hygienic PTFE on the market. Approved for food, chemical, cosmetic and pharmaceutical applications.

Standards:

USP Class VI compliance PTFE resin used in tubing,
FDA Approved, Accepted by the U.S. Coast Guard,
PTFE Perfluorocarbon Resins meets FDA 21 CFR 177.1550



Specifications

Temperature Correction Factor

-60	-40	-20	0	20	50	100	120	150	180	200	220	250	260
1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.93	0.93	.85	0.85	0.77	0.77	0.70

Part Number	Size	Internal Diameter (mm)		Wall Thickness	Outside Diameter (mm)		Min. Bend Radius	Max. Working Pressure		Min. Burst Pressure		Vacuum
	Inch	Min.	Max.	mm	Min.	Max.	mm	kPa	Bar	kPa	Bar	mmHg
SCTB-06	1/4"	5.5	6.9	0.76	11.4	13.3	25	1500	15	4500	45	744
SCTB-10	3/8"	8.5	10.5	0.76	14.7	16.5	25	1500	15	4500	45	744
SCTB-12	1/2"	11.6	13.6	0.89	17.9	20.0	25	1500	15	4500	45	711
SCTB-15	5/8"	15.1	16.4	0.89	24.7	25.8	35	1500	15	4500	45	711
SCTB-20	3/4"	149.5	20.5	1.00	28.6	31.4	55	1500	15	4500	45	680
SCTB-25	1"	25.4	25.5	1.10	34.2	38.2	85	1500	15	4500	45	653
SCTB-32	1 1/4"	34.5	32.5	1.15	41.9	46.1	100	1500	15	4500	45	503
SCTB-38	1 1/2"	36.5	37.5	1.45	47.2	49.9	120	1500	15	4500	45	301
SCTB-43	1 3/4"	44.5	45.5	1.45	55.8	61.4	135	1500	15	4500	45	301
SCTB-50	2"	49.5	50.5	1.50	60.5	66.7	165	1500	15	4500	45	120
SCTB-65	2 1/2"	62.5	63.5	1.60	80.9	89.1	230	1000	10	3000	30	102
SCTB-80	3"	73.5	74.5	1.60	90.4	99.6	260	800	8	2400	24	102
SCTB-100	4"	94.5	99.5	1.82	121.1	127.5	400	800	8	2400	24	102
SCTB-150	6"	148	154	2.5	176	188	520	500	5	1500	15	105

Note: External suction/vacuum wire can be introduced to achieve high vacuum ratings

Applications

