

Sulfinert[®]-Treated Stainless Steel Tubing

Thank you for your purchase of Sulfinert[®]-treated tubing. The Sulfinert[®] coating is the most inert substrate available for the transfer of low levels of polar and nonpolar compounds, especially traces of organosulfur and mercury compounds.

Specifications:

Cat. #	Tubing OD (in/mm)	Tubing ID (in/mm)	Maximum Temperature (°C)*	Minimum Suggested Bend		Maximum Operating Pressure (psig/kPa)
				Radius (in/cm)	Diameter (in/cm)	
22903; 29083–29090	3/8 / 9.53	0.277 / 7.04	450	6 / 15.2	12 / 30.5	4,800 / 33,094
22902; 29075–29082	1/4 / 6.35	0.180 / 4.57	450	4 / 10.2	8 / 20.3	3,300 / 22,752
29250–29257	1/4 / 6.35	0.210 / 5.33	450	4 / 10.2	8 / 20.3	2,200 / 15,168
29242–29249, 29052–29058	1/8 / 3.18	0.085 / 2.16	450	2 / 5.1	4 / 10.2	6,100 / 42,058
29067–29074, 22901	1/8 / 3.18	0.055 / 1.40	450	2 / 5.1	4 / 10.2	10,900 / 75,152
29234–29241	1/16 / 1.59	0.040 / 1.02	450	1 / 2.5	2 / 5.1	4,800 / 33,094
29226–29233	1/16 / 1.59	0.030 / 0.76	450	1 / 2.5	2 / 5.1	8,100 / 55,847
29218–29225	1/16 / 1.59	0.020 / 0.51	450	1 / 2.5	2 / 5.1	10,300 / 71,015
29210–29217	1/16 / 1.59	0.010 / 0.25	450	1 / 2.5	2 / 5.1	14,000 / 96,526
29202–29209	0.029 / 0.74	0.021 / 0.53	450	1 / 2.5	2 / 5.1	6,400 / 44,126
29194–29201	0.022 / 0.56	0.011 / 0.28	450	1 / 2.5	2 / 5.1	11,250 / 77,566

*In an inert (oxygen-free) atmosphere.

Instructions for Use:

Handling: Handle the Sulfinert[®] tubing as you would any stainless steel tubing. Take precautions to avoid sharp bends or bends tighter than the minimum suggested bending radius. Any bend sharper than those listed may cause the tubing to stretch, potentially creating active sites as the coating layer density decreases. Additionally, we recommend flushing the tubing with nitrogen or clean compressed air (at approximately 50 psi/340 kPa) to prevent damage to equipment from any particles released during the stress of bending. Once the tubing has been flushed and put into service, additional particle generation will not occur.

Cutting: Cut the tubing ends with a standard metal tubing cutter. Point the tubing end down when cutting or reaming to prevent metal filings from depositing inside the bore. Always flush tubing sections after cutting and end-cleaning to ensure the removal of metal or coating particles generated during cutting.

Solvent compatibility: Sulfinert[®]-treated tubing is compatible with a wide variety of solvents including methylene chloride, pentane, acetone, methanol, and water. Avoid hydrofluoric acid and bases or strong hydrochloric acid solutions. These acids and bases will damage the Sulfinert[®] layer.

Questions about this or any other Restek[®] product? Contact us or your local Restek[®] representative (www.restek.com/contact-us).

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Pure Chromatography