

Other Tubing Products

Inert Silicon Coated Tubing

Introduction

Oil & gas, petrochemical, chemical, and analytical industries frequently involve diverse active chemical compounds, such as sulfur compounds (especially H_2S), mercury, and ammonia. While stainless steel is widely used in analytical sampling systems for its corrosion resistance, its tendency to adsorb these compounds hinders accurate determination when used untreated. The inert silicon coating is an effective solution. It provides a chemically protective barrier of amorphous silicon on the surface of the stainless steel, preventing adsorption of active chemical compounds and enabling low detection limits for trace-level analysis. Typical applications include analytical process, environment detection, downhole sampling from petroleum and natural gas wells, as well as monitoring and control of oil refining and petroleum processes.

FITOK uses top notch inert silicon coating techniques including SilcoNert® 2000 to coat our products. The coated product's maximum working pressure and temperature remain unchanged in typical applications mentioned.

Note: ① SilcoNert® 2000 (Sulfinert®) is registered trademark of SilcoTek Corporation.

TMP Series Silicon Coated Tubing



TCT Series Silicon Coated Tubing



Features

- ⦿ Coating by chemical vapor deposition (CVD) process
- ⦿ Typical thickness: 100-500 nm
- ⦿ Enables ppm-level trace analysis of active compounds
- ⦿ Durable with long service life
- ⦿ Internal surfaces of the tubing is inert silicon coated
- ⦿ Polished external surface to ensure reliable seal
- ⦿ Match with inert silicon coated tube fittings
- ⦿ Straight and coiled tubing are optional

Ordering Information

Inert Silicon Coated , Add "-SI" as a suffix to the standard ordering number.

For example:

1. To order 316 tubing, ASTM A269 compliant, TMP series, 1/4" O.D. x 0.035" wall thickness, 6 m length, Inert Silicon Coated , the ordering number is SS-TMP-4-035-6M-SI.
2. To order 316 tubing, ASTM A269 compliant, TCT series, 1/4" O.D. x 0.035" wall thickness, cut length 100 m, Inert Silicon Coated , the ordering number is SS-TCT-4-035-100M-SI.

Custom Bent Tubing

Introduction

FITOK offers custom bent tubing in various angles and sizes designed and manufactured to customer drawings or technical requirements. Utilizing CNC bending machines, stainless steel tubing is formed in the cold state, suitable for complex piping system layout. Suitable for varied pressure and temperature conditions, FITOK bent tubing ensures high accuracy, superior sealing, and improved installation efficiency across a wide range of industrial applications.

Products

