

product specifications

○ tech CM

- High quality seamless and welded 316L SS tubing.
- Thermocouple cleaned and capped per ASTM 632 supplement S3.
- Purged with filtered nitrogen, capped and bulk bagged in heat sealed polyethylene.
- Used for instrumentation, clean dry air, and other gas systems requiring cleaned high purity tubing.

○ tech 5

- Surface roughness of 40 μin / 1.0 $\mu\text{m Ra}$.
- High quality seamless and welded 316L SS tubing.
- Thermocouple cleaned and capped per ASTM 632 supplement S3.
- Purged with filtered nitrogen, capped and bulk bagged in heat sealed polyethylene.
- Used for instrumentation, clean dry air, and other gas systems requiring cleaned high purity tubing.

○ tech 10

- Average surface roughness of 25 μin / 0.63 $\mu\text{m Ra}$.
- High quality ASTM 269 and ASTM 270 316L SS tubing.
- Controlled sulfur for consistent weldability.
- Exceeds CFOS CGA G4.1 cleaning.
- Fully passivated with nitric acid.
- Rinsed with DI water, purged with filtered nitrogen, capped and individually bagged in heat sealed polyethylene.
- Used for analyzer sample lines, O₂ piping (CFOS), medical gas distribution and vent lines.
- Cleaned to ASTM G93-96 Level A.

○ tech 20

- Chemically polished with an average surface roughness of 15 μin / 0.20 $\mu\text{m Ra}$.
- High quality ASTM 269 and ASTM 270 316L SS tubing.
- Low particulate cleaning.
- Final cleaning and packaging performed in a cleanroom.
- DI water final rinse, purged with filtered nitrogen until dry, capped and individually bagged in heat sealed polyethylene.
- Used for general high purity systems, such as high grade analyzer lines, compressed dry air, argon, nitrogen and other inert bulk gas services.
- Cleaned to ASTM G93-96 Level A.

● tech 25

- Electropolished to 10 Ra Max / 0.20 $\mu\text{m Ra}$.
- 316L SS tubing meets ASTM specifications for consistent physical, dimensional and chemical composition.
- Controlled sulfur content to insure consistent weldability and reduced non-metallic inclusions.
- Final cleaning and packaging performed in a Class 10 cleanroom.
- 0.1 μ filtered 60°C DI water rinse.
- 0.005 μ filtered 120°C Nitrogen dried.
- Ends are sealed by pressing LDPE caps over polyamide nylon film.
- Individually double bagged in heat sealed polyethylene.
- Used in ultra high purity gas, chemical distribution, and WFI systems.

