

## ● tech 50

- Electropolished with an average surface roughness of  $7\ \mu\text{in}$  /  $0.18\ \mu\text{m Ra}$ .
- 316L SS tubing meets ASTM specifications for consistent physical, dimensional and chemical composition.
- Restricted sulfur content insures consistent weldability and low non-metallic inclusions.
- Final cleaning and packaging performed in a Class 10 cleanroom.
- $0.1\ \mu$  filtered 18 Megohm  $60^\circ\text{C}$  DI water rinse until effluent surpasses 17.5 Megohm.
- Dried with  $0.005\ \mu$  filtered  $120^\circ\text{C}$  Nitrogen.
- Ends are sealed by pressing LDPE caps over polyamide nylon film.
- Individually double bagged in heat sealed polyethylene.
- Subjected to numerous quality verification tests including: particle and moisture analysis, SEM, ESCA and Auger.
- Used for ultra high purity gas distribution systems.

## ● tech 100

- Electropolished to  $5\ \mu\text{in}$  /  $0.13\ \mu\text{m Ra}$  or  $10\ \mu\text{in}$  /  $0.25\ \mu\text{m Ra}$  surface roughness.
- Produced from secondary remelt 316L SS VAR tubing exceeding ASTM specifications for consistent physical, dimensional and chemical composition.
- Vacuum arc remelt (VAR) material reduces impurities in the stainless steel making it more corrosion resistant and pure than standard 316L SS.
- Restricted sulfur content insures consistent weldability and low non-metallic inclusions.
- Final cleaning and packaging performed in a Class 10 cleanroom.
- $0.1\ \mu$  filtered 18 Megohm  $60^\circ\text{C}$  DI water rinse until effluent surpasses 17.5 Megohm.
- Dried with  $0.005\ \mu$  filtered  $120^\circ\text{C}$  Nitrogen.
- Ends are sealed by pressing LDPE caps over polyamide nylon film.
- Individually double bagged in heat sealed polyethylene.
- Subjected to numerous quality verification tests including: particle and moisture analysis, SEM, ESCA and Auger.
- Used for ultra high purity specialty gas distribution systems.

## ● TG22

- Hastelloy® C22 – a nickel chromium alloy is extremely resistant to pitting and crevice corrosion.
- Surface roughness of  $20\ \mu\text{in}$  /  $0.5\ \mu\text{m Ra}$ .
- Chemically polished and passivated in nitric acid bath followed by a DI water rinse.
- Final cleaning and packaging performed in a Class 10 cleanroom.
- Rinsed with  $0.1\ \mu$  filtered 18 Megohm  $60^\circ\text{C}$  DI water.
- Dried with  $0.005\ \mu$  filtered  $120^\circ\text{C}$  Nitrogen.
- Ends are sealed by pressing LDPE caps over polyamide nylon film.
- Individually double bagged in heat sealed polyethylene.
- Verified quality by particle and moisture testing.
- Used for high purity distribution of highly corrosive gasses.

