

High-Purity Gas Equipment

- Leading manufacturer of electronic-grade gas transportation and storage equipment
- Key supplier to major producers of SiH₄ and NF₃
- ASME, DOT & ISO approved seamless tubes
- 50+ years of experience with industrial gases
- Internal mirror polishing capabilities, 10 Ra finish
- 12-24" (305-610 mm.) diameter tubes
- 10-100 cu. ft. (300-3,000 liter) volume tubes
- Improved distribution costs

The technical leader in high-purity gas containment equipment!

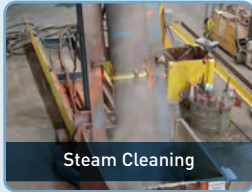
FIBA Technologies, Inc., the world's leading manufacturer of electronic-grade, Multiple Element Gas Containers (MEGCs) has expanded beyond the industrial gas customer base to include some of the world's largest producers and distributors of SiH₄, NF₃, HCl, BF₃, NH₃, N₂O and other electronic gases. FIBA can furnish a variety of equipment sizes ranging from ton containers up to 40 ft. 8-tube and 20 ft. 12-tube ISO modules (MEGCs) to meet the various payload requirements of our customers. Our internal cleanliness levels, low moisture content, and leak-tight integrity is unmatched in the

industry. FIBA can achieve internal surface finishes as fine as a 'mirror-like', 10 Ra finish. Electropolished stainless steel or Hastelloy manifolds fabricated by orbital welding with remote-controlled valves are available. FIBA is the only producer who offers the "Chem-Lite" and DOT UN tubes. For many gas services, the DOT UN tubes provide operators with a 10 year requalification cycle rather than the 5 year retest offered by all other manufacturers. The Chem-Lite tubes allow a greater payload, higher water volume, and less weight than those assemblies offered by others.

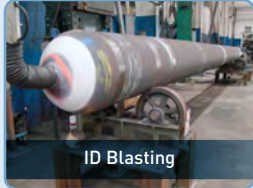




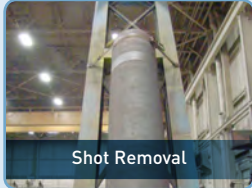
Internal Grinding



Steam Cleaning



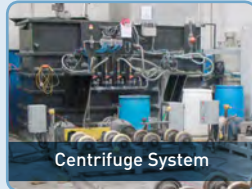
ID Blasting



Shot Removal



Internal Polishing System



Centrifuge System



DI Tanks & Heaters



Solvent & DI Water Wash



Lab for NVR Analysis



Auto Cycle Purge System



Inner Surface of Polished Pressure Vessel



Pressure Vessel Internal Polishing & Cleaning

FIBA proprietary processes for cleaning and finishing the interior and exterior surfaces of tubes and pressure vessels are tailored specifically for electronic-grade, ultra-high purity (UHP), and specialty gas products that demand the highest levels of product cleanliness, surface finish, and purity. FIBA's dedicated staff treats electronic-grade gas equipment with the care and special treatment it requires and you deserve! FIBA offers multiple quality control procedures to confirm product cleanliness, including analysis to comply with military contracts. If your tubes get contaminated, FIBA can also offer our services to remove the contaminants, including baking in our heat treatment furnace! Internal and external cleaning and quality control processes include:

- Internal polishing
- Automated, internal cleaning & drying
- De-ionized water flushing
- Steam cleaning
- Internal and external shotblasting
- Solvent wash for oxidizing gases
- Automated tumbling process using a variety of medias to achieve multiple levels of internal surface finishes down to 10 Ra microinches
- Oven baking to remove contaminants
- Internal and external coating
- Non-volatile residue (NVR) analysis
- Particulate population counts
- Profilometer gauge to measure surface finish (Ra)
- Coating thickness measurements

