



### **BPE Tubing to Meet the Demands of Your Application**

United Industries has been supplying the highest quality tubing for over 80 years. Our ASTM A270 tubing meets the demands of the stringent environments in the pharmaceutical and biotechnology industries. Some applications are extremely sensitive and require the highest level of purity. Others have less rigorous standards.

### **We are now offering two options for BPE tubing that meet SF1 requirements.**

**BPE Ultra-Pure:** For your most critical applications, ready for electropolishing.

**BPE Pure:** Cost-effective alternative when electropolishing is not required.

Made in America with 100% USA steel, you can be assured of the highest quality with either option.

### **LASER-WELDED TUBING FOR MAXIMUM PERFORMANCE**

Since demanding applications require the highest quality tubing, United Industries has been perfecting its laser welding capabilities since 1992, using a high-energy density process. Our 100% laser welded tubing has:

- Less potential for corrosion in the weld area
- Full finished tube appearance
- Superior performance

### **SIZE RANGE:**

1/2" – 8"

### **FINISH:**

Pharmaceutical A270-S2 ASME BPE:

SF1 (Mechanical Polish) 20Ra max. (0.5µm) ID, 32Ra max. (0.8µm) OD

### **STANDARDS:**

All mechanical polished tubes meet or exceed A270, 3A, A270-S2.

ISO/TS 16959:2009 Registered Quality Management System

Material Certification is shipped with all tubing.

**ASME-BPE Certified: Certificate # 101**



*BPE Pure tubing for your less sensitive applications*



*BPE Ultra-Pure tubing for your most critical applications*

## The Standard of Excellence

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## Why Choose United Industries?

### FULL-SERVICE CAPABILITIES:

- United Industries offers a broad range of products in a variety of stainless steels.
- We are fully compliant to industry standards including 3A, BPE, ASME, and ASTM.

### WE TAKE QUALITY ASSURANCE SERIOUSLY:

- "To the minute" production traceability.
- ISO/TS16949:2009 Registered Quality Management System (RQMS) standards are applied to all products manufactured by United Industries.
- ISO/TS16949:2009 RQMS standards are aimed at absolute customer satisfaction in addition to ongoing manufacturing process improvements and innovations.

### CUSTOMER SERVICE IS PART OF UNITED INDUSTRIES' CULTURE:

- Instant Defect Detection.
- Operators are also "Inspectors."
- Inspectors are also "Auditors."
- Customer Satisfaction is our ultimate quality standard.

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## Capabilities

### COMPLETE APPLICATIONS ENGINEERING AND METALLURGY

#### TYPES:

- ASTM SA249 Boiler/Heat Exchanger
- ASTM A268 Ferritic
- ASTM A269 General Services
- ASTM A270 Sanitary/Pharmaceutical
- ASTM A554 Ornamental

#### GRADES:

- Stainless 301 302, 304, 304L, 316, 316L, 309, 309S, 310, 321, 12SR/408CB, 18SR, 18CB/441, 29-4C, 317, 317L
- Stainless 405, 409, 410, 430, 439
- Super Alloys

#### SIZES:

- 1/2" – 8"
- .019" – .145" wall

#### LENGTHS:

- 1" – 60'

#### SURFACE FINISH:

- Mechanical Polish 20 Ra/32 Ra
- Electro Polish 15 Ra/10 Ra
- Hydrogen Bright Annealing (H-BA)

### PLANT FACILITIES:

- Over 130,000 Sq. Ft. (Selmer, TN)
- 6 laser mills
- Inline induction annealing and H-BA
- Tube cutting facility

### PACKAGING:

- Square pack, scored cardboard, tri-wall box, paper/poly sleeve, interleave, interweave, cardboard tubes, hex pack, bulk skids, customer returnables
- Export packaging available

### FINISHED INVENTORY:

- Sanitary and H-BA 1"-8", 304L and 316L

### QUALITY ASSURANCE/TESTING:

- Quality Management System
- Inline Eddy Current
- Expansion
- Flatten
- Tension
- Rockwell
- Metallurgical
- Dimensional
- Bend
- Flare
- Reverse Bend
- Flange
- Surface Roughness
- Surface Passivity
- Others Upon Request

### ISO/TS16949:2009 Registered Quality Management System

UNITED INDUSTRIES



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