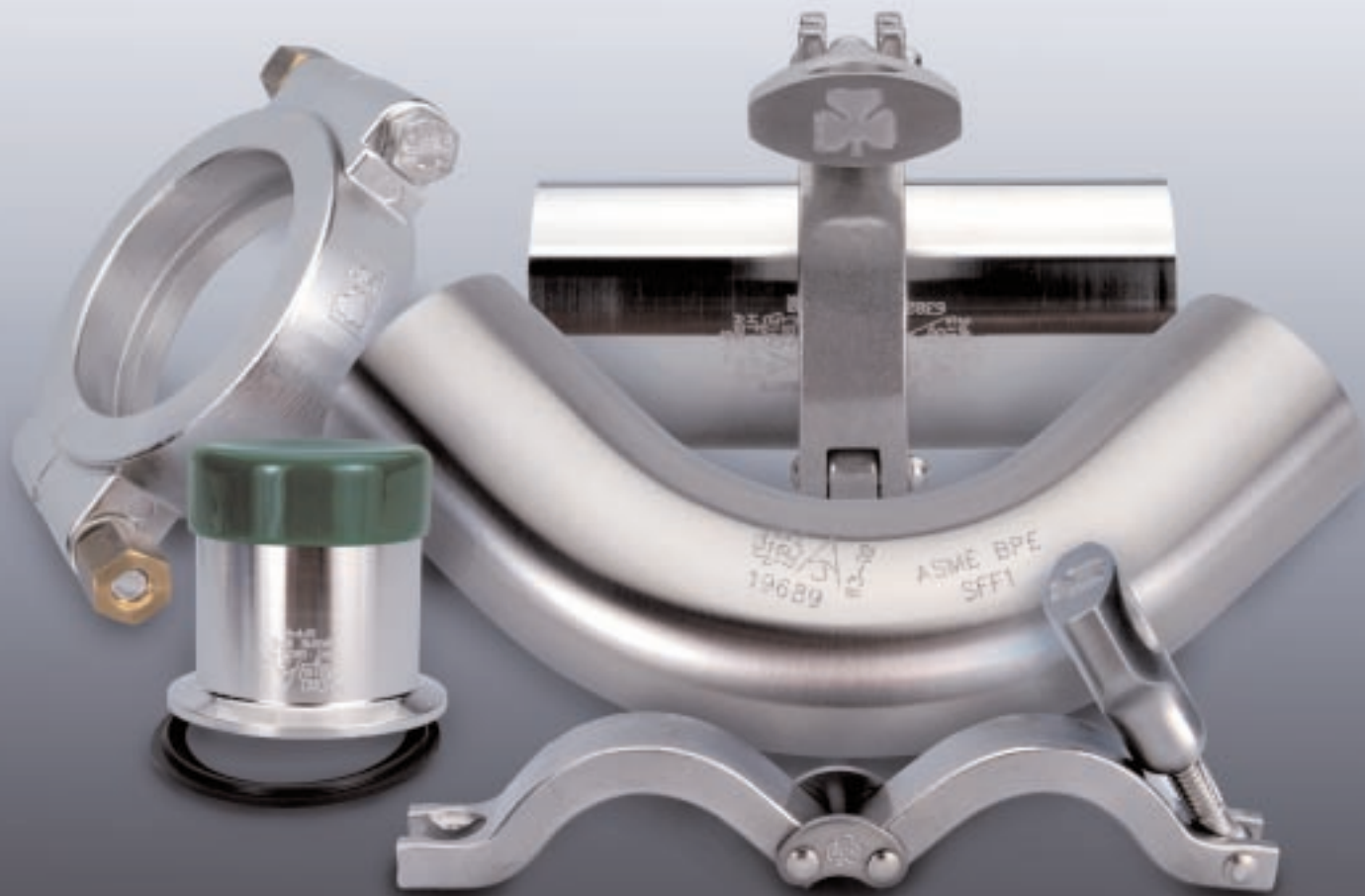




The industry standard for quality

Specialized tubing and fittings





Tubing

Alfa Laval offers a variety of tubing for all sanitary applications. It is available in a full line of sizes and finishes and is manufactured to stringent specifications for perfect matching with Tri-Weld fittings.

- Common source for fittings raw material and finished tubing
- Compliant with ASME BPE, ASTM A269/A270 and 3A, where applicable

Fittings accessories available

- Tube/pipe hangers
- Wall plates
- Tools for expanding ferrules
- Bevel seat wrenches

Connection types available

- Tri-Clamp
- Tri-Weld
- Bevel seat
- John Perry
- DC
- H-line
- HDI fittings
- IPS (Schedule 5)



Tri-Clover fittings catalog circa 1947.

The industry standard

For over 80 years, you've relied on Tri-Clover® brand fittings, including the proven Tri-Clamp® and Tri-Weld®. Whether your application is in the Food, Beverage, Brewery, Dairy or Biopharm industry, the fittings you've come to know and trust meet today's strict sanitary and quality standards and ensure increased productivity and controlled costs.



Our highly trained inspectors ensure quality at Alfa Laval's Guyamas, Mexico facility

Fittings

Alfa Laval, the leader in sanitary fluid handling equipment, is your one source for specialized fittings and tubing. Our Tri-Clover brand fittings feature smooth, crevice-free interiors and secure, self-aligning joints for superior corrosion-resistance and unmatched service life. They're designed and manufactured to ensure dimensional accuracy and structural integrity, making them easy to install.

Biopharmaceutical fittings

Designed specifically for the Pharmaceutical and Bio-technology industries, Alfa Laval's Biopharm fittings comply with the ASME BPE Standard and are current with the 2002 edition. They are manufactured with either Tri-Weld ends for use with orbital welding equipment, or with Tri-Clamp connections. All BPE items are individually capped, and bagged in 6 mil. clear heat sealed bags or shrinkwrapped, to ensure that product arrives clean and in orbital-weld ready condition. And all products are bar coded and labeled with product information and manufacture date for optimum identification.

Quality

We are committed to providing you with top quality fittings for your process. Our high-capacity Guyamas, Mexico facility operates under approved ISO 9002 quality standards. In addition, we have successfully completed an audit on high-purity manufacturing of ASME BPE components in accordance with the Purity Systems, Inc. audit checklist for manufacturers of ASME BPE components. This audit includes a thorough review of the entire manufacturing and examination processes to verify that fittings are produced using techniques that meet the applicable FDA current Good Manufacturing Practices (cGMP), and are capable of consistently producing a product that conforms to the ASME BPE-2002 standard.

All materials receive a 100% alloy analysis to ensure that product is in accordance with the material composition shown on the heat certificate, and that its chemistry is ideal for welding and electropolishing.

Our BPE fittings are compatible with all current orbital welding equipment. After cold-forming, our tube product goes through several annealing and resizing steps to ensure ovality within prescribed BPE tolerances. End facing is done





with a machined square-cut method, to ensure the most accurate and consistent orbital weld result. All fittings undergo a 100%, 15-criteria visual and dimensional inspection, using calibrated instrumentation, to ensure that all quality parameters are within BPE tolerances.

The right parts at the right time

Alfa Laval's comprehensive fittings inventory ensures that your projects stay on schedule. Our 54,000 square-foot distribution center, strategically located in Indianapolis, provides flexible transportation options and timely deliveries without the expense of expedited service. We also offer extended operating hours and 24/7 emergency service to cover unexpected demands.

Full traceability

Material Test Reports (MTRs) are included with shipment and are also available in an electronic file format upon request. Permanent markings on all components enable quick identification of heat numbers, material grade and surface finish designations to the BPE Standard (SFF1 or SFF4) where applicable.

Wide range of surface finishes

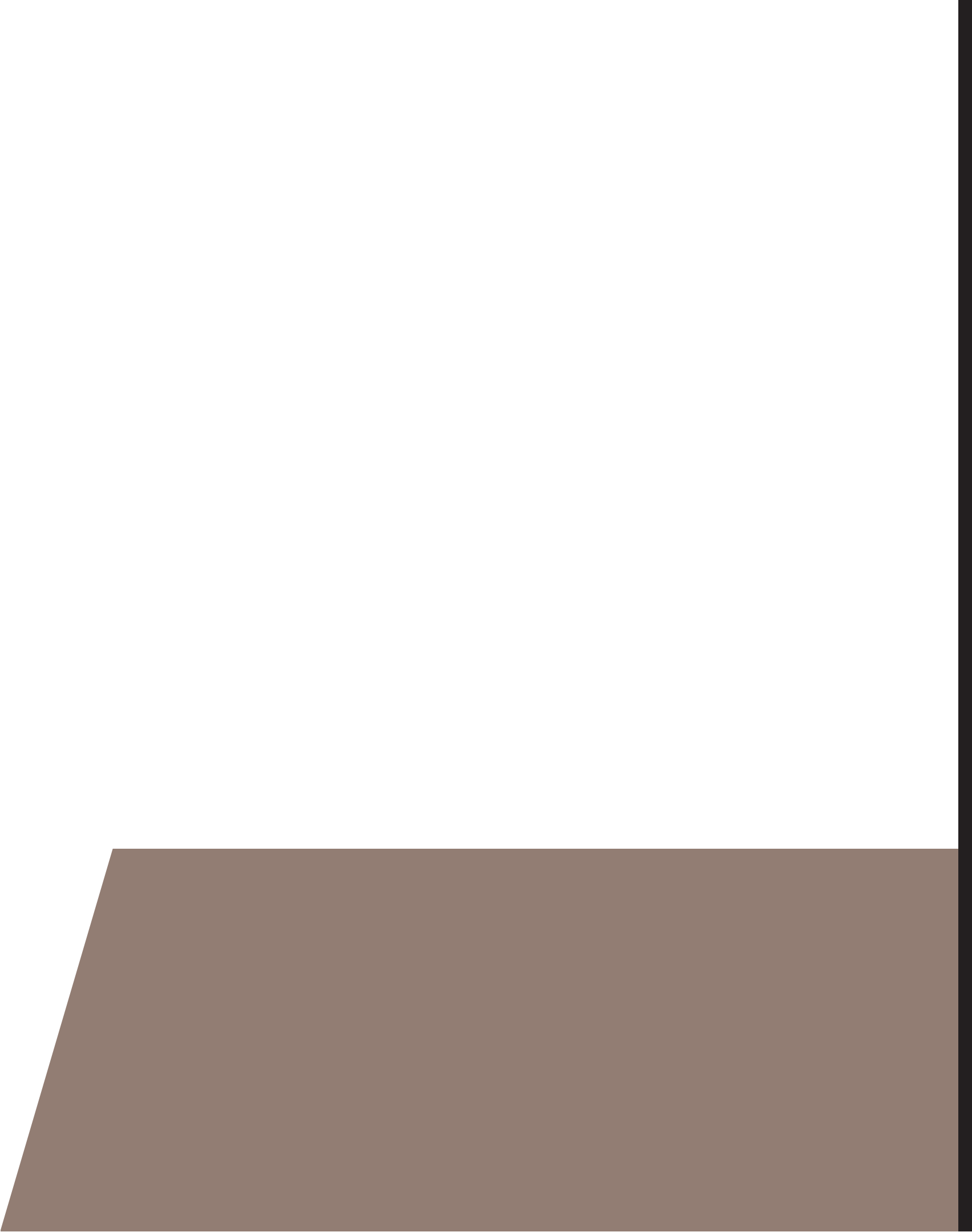
Choose from a wide range of mechanical polish and electropolish finishes. Mechanical polishing uses a progressive series of abrasives, from coarse to fine grit, producing a consistent internal finish for optimal, economical cleaning. Electropolishing creates a smooth, chromium-enriched surface layer that maximizes corrosion resistance and minimizes bacterial build-up on surface cavities.



Our 54,000 square foot distribution center in Indianapolis maintains a comprehensive fittings inventory to meet your needs

Since 1919, Tri-Clover has been North America's leading source of sanitary fluid handling equipment.





Alfa Laval in brief.

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuff, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

Our U.S.-based sanitary group offers Alfa Laval and Tri-Clover fluid handling and heat transfer equipment.

Since 1919, Tri-Clover has been the leading supplier of processing equipment to the sanitary fluid handling industry in North America.

Part of Alfa Laval since 1986, Tri-Clover remains a key brand within Alfa Laval.

TRI-CLOVER, TRI-CLAMP and TRI-WELD are registered trademarks of Alfa Laval Inc.

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How to contact Alfa Laval

Contact details for all countries are continually updated on our website.

Please visit www.alfalaval.us to access the information directly.