

Bringing *Your Science* to **Market**



PHARMACEUTICAL SOLUTIONS

MUELLER

Your Single Source Skid Provider

- Integrated Process Systems
- Mixing and Storage Vessels
- Water-For-Injection
- Water Purification
- Custom Engineering and Manufacturing
- Factory Acceptance Testing
- Transportation
- On-Site Reassembling
- Preventative Maintenance and Calibration Services





PyroPure®

PyroPure® specializes in designing, engineering, and manufacturing high-quality stills, skids, and modules for pure water applications. With extensive industry experience, we tailor every project to meet your unique requirements. Share your project and growth goals with us, and we'll leverage our expertise and resources to deliver a solution that meets your specifications—on time and on budget.

- **Membrane Based WFI**
 - Ultra Filtration
 - Reverse Osmosis
 - Pre-Treatment
 - Modularity
- **Electric Pure Steam Generators**
- **Legacy Equipment**
 - Multiple Effect Stills
 - Pure Steam Generators
 - WFI Distribution
 - Custom Processing Skids

Equipment Services for *Your Peace of Mind*

Paul Mueller Company's Service Team ensures your equipment operates at peak efficiency, minimizing downtime and extending its lifespan. Our expert team provides everything from calibration and maintenance to equipment upgrades and installations, all tailored to meet your facility's specific needs. Preventative maintenance extends the life of your equipment without the expense and downtime of purchasing, installing, and validating new equipment.

- Preventative Maintenance
 - Mueller® and Non-Mueller Equipment
- Calibration
- ISO 17025 Accreditation
- Flexible Service Contracts
- Installation Services
- Installation Supervision
- Troubleshooting
- Replacement Vessels and Installation
- Evaluations and Control Upgrades
- Diaphragm Changes
- Pump Seal Replacements
- Control Valve Rebuilds
- Gasket Change-Outs
- Startups
- SATs
- IQ/OQ Execution
- Protocol Generation
- Sanitary Piping Fabrication and Installation
- Robust Aftermarket Sales Support
- Facility Shutdown Support
- Extensive Parts Inventory





MIXING AND STORAGE



WFI DISTRIBUTION



WFI GENERATION



PROCESS SYSTEMS



PURE STEAM GENERATOR

PAUL MUELLER COMPANY

Our Products and Services

Skids and Integrated Systems

- Small Scale to Custom Automated Systems
- Modular Process Systems
- Water-for-Injection Distribution Skids

Custom Tanks and Vessels

- Mixing, Storage, and Process
- Design and Fabrication
- Routine to Extreme Specialty Process

Refrigeration Solutions

- Falling Film Chillers
- Batch Chillers
- Packaged Chillers
- Air-Cooled Condensing Units
- Heat Recovery
- Controls

Clean Utilities

- Pure Steam Generators
- Multiple-Effect Stills
- Water-for-Injection Distribution Systems

Heat Transfer Solutions

- Heat Transfer Surfaces
- Preformed Heat Transfer Panels
- Plate Heat Exchangers
- Replacement Parts
- Service and Repair

Component Products

- Tank Heads
- Tank Shells
- Manways
- Agitators

Cleaning Systems

- Clean-in-Place (CIP) Systems
- Chemical Dosing Systems

Specialty Hauling with Mueller Transportation, Inc.

- Door-to-Door Specialty Handling
- Oversized Hauling Capabilities

Who We Are

At Paul Mueller Company, we are united by a belief that the only quality that matters is quality that works for life. With every piece of processing equipment we build, our goal is to have lasting impact. This collective vision has led us from a small sheet metal shop to a global supplier of heating, cooling, processing, and storage solutions. Our equipment allows farmers, brewers, and engineers to keep their products fresh and their inventory strong. Whether our equipment preserves milk in rural areas or helps manufacture medicine with broad health benefits, we are making an impact across the globe.

Creating Quality
for *Life*

Industries We Serve

- Animal Health
- Battery Production and Recycling
- Beverage
- Brewing
- Chemical
- Dairy Farm
- Dairy Processing
- Food
- Heat Transfer
- HVAC
- Mining
- Oil and Gas
- Personal Care
- Pharmaceutical
- Refrigeration
- Tank Fabrication
- Wine
- And More

Facilities and Resources

- Domestic Facilities With Nearly One Million Square Feet Under Roof
- Comprehensive Test Facilities for Factory Acceptance Testing
- Expert Fabricators and Manufacturing Staff
- Onsite, Experienced Engineering Department

Project Support Services

- Comprehensive, Customizable Documentation Packages
- IQ/OQ Protocols and Execution
- Seamless Shipping with Mueller Transportation, Inc.
- Expanded Scope Facility Construction and Expansion
- Installation Supervision and Site Acceptance Testing

Quality and Process Certification

- ASME (American Society of Mechanical Engineers)
- ASME BPE (American Society of Mechanical Engineers Bioprocessing Equipment Standard)
- API (American Petroleum Institute)
- UL (Underwriters Laboratories)
- CSA (Canadian Standards Association)
- PED CE (Pressure Equipment Directive Certification)
- UKCA (United Kingdom Conformity Assessed)
- CRN (Canadian Registration Number)
- TSSA (Technical Standards and Safety)

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