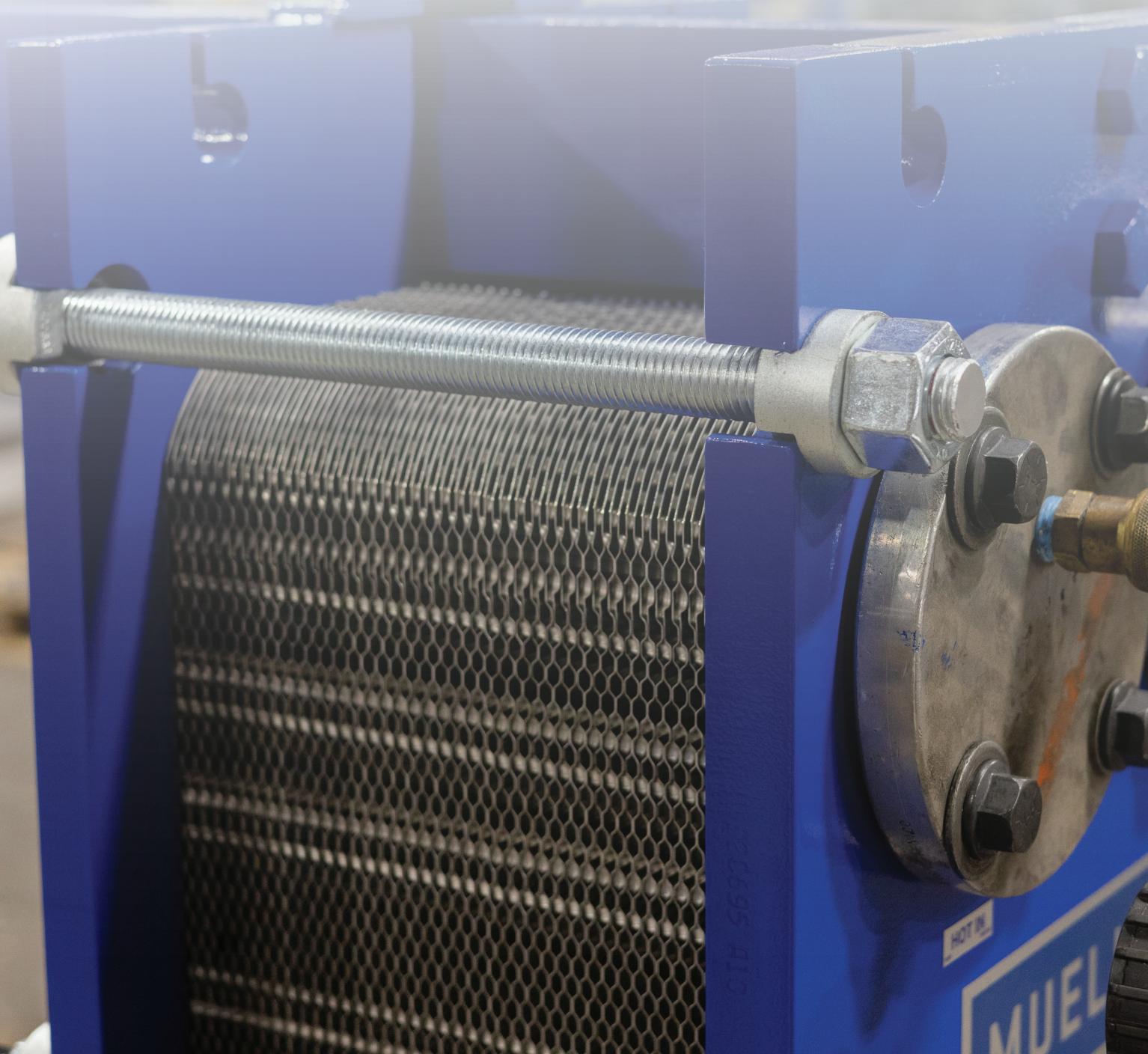


Plate Heat Exchanger Service and Refurbishing



ACCU-THERM® PHE'S REFURBISH
REFURBISH • REGASKET • RECYCLE

MUELLER

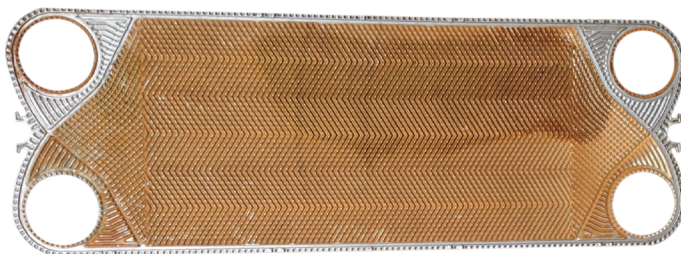
Service and Refurbishing

Paul Mueller Company provides parts and service for nearly all makes and models of Plate and Frame heat exchangers. We are here to help you reduce downtime, improve efficiency, enhance performance, and increase the lifetime of your equipment. We pride ourselves in Paul Mueller Company's image of excellence, integrity, and quality craftsmanship. For over thirty years, Paul Mueller Company has been building the Accu-Therm® plate heat exchanger in Springfield, Missouri. Mueller® Accu-Therm is used

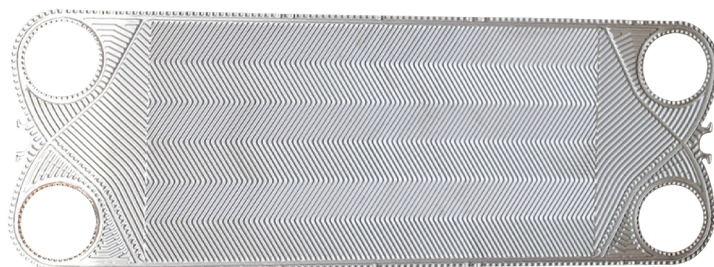
in over 100 countries worldwide in a wide variety of industries including: chemical processing, HVAC, heat recovery, pulp and paper, power, steel, process cooling, marine, oil and gas, pharmaceutical, textile, dairy, food, and beverage. Paul Mueller Company Heat Transfer®. Products are supported by a worldwide network of representatives that are factory-trained with thorough, up-to-date product knowledge ensuring rapid response to your heat transfer needs. We also offer rapid response to your service needs with our field service technicians.

Are you experiencing?

- Increased pressure drops through your plate heat exchanger?
- Loss of heat transfer efficiency?
- Loss of flow and performance?
- Process fluid leakage?



BEFORE



AFTER

Mueller® Can Help

Debris buildup, fouling, scaling, and gasket deterioration are the leading causes of service needs for Plate and Frame heat exchangers. Neglecting these issues can lead to production delays, unplanned downtime, higher operating costs, and safety risks. Paul Mueller

Company provides a solution to these problems with our complete Accu-Therm plate heat exchanger servicing and refurbishing program. When you find your heat exchanger underperforming, let Paul Mueller Company return it to peak operating efficiency.

ACCU-THERM REFURBISHING

Mueller offers three levels of service for refurbishing Accu-Therm plate heat exchangers: loose plate, complete plate pack, and complete unit. Whether you need to

refurbish a single plate, multiple plates, or a complete unit, we have the expertise and knowledge to keep your plate heat exchanger performing at top-quality condition.

LEVELS OF SERVICE

Loose Plates (not a pack):

- Clean, dye penetrant leak check, and install gasket

Complete Plate Pack (not a unit):

- Clean, dye penetrant leak check, and install gaskets.
- Clean, dye penetrant leak check, install gaskets, and assemble into plate pack.

Complete Units

- Clean, install gaskets, assemble into plate pack, and pressure test. Blast and repaint frame, replace or repair ports and other parts as applicable.

IMPORTANT NOTES

- Some tinting may remain on certain plates after cleaning, depending upon the type and length of service. This tinting does not impact the heat transfer performance of the plate.
- Gaskets that are removed from plates for cleaning will not be reused or returned unless specifically arranged prior to order.
- Components that are replaced on a complete unit will not be returned to the customer unless specifically arranged prior to order.
- All items to be returned for refurbishing must first be approved in writing by Paul Mueller Company. Please submit an MSDS (Material Safety Data Sheet) prior to consideration for approval. Tagging information will be provided by Paul Mueller Company upon approval.
- No surface deposits or fouling will remain on the finished, cleaned plate.
- A Certificate of Cleanliness must accompany all shipments.

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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