

We Make It Work Better.



PRODUCTS AND SERVICES

Providing sanitary processing equipment and customized solutions

Since 1885

M.G. Newell is a full-service provider of sanitary equipment for the food, beverage, dairy, pharmaceutical and personal care industries. We carry a broad range of pumps, valves, fittings and other sanitary processing supplies. In addition, we also work with customers to design and fabricate cost-effective, customized systems to fit their space requirements.

Our customers represent the world's largest manufacturers of food, beverages, pharmaceuticals and personal care products. To help them meet consumer expectations, we strive to support their goals of sanitary processing from start to finish.

Our engineers build sanitary design into every system, from pump carts to valve clusters to batching systems to new greenfield installations. Our field technicians conduct instrument repair, preventive maintenance, calibration of existing equipment and assist in the start-up of new, on-site installations.

Our Newell Automation controls team will identify the appropriate instrument and control functionality for your process. With automation hardware, software controls, control panel design and fabrication, we provide turnkey solutions for CIP, batching, blending and other processes.

Greensboro Division/Corporate

336-393-0100

Louisville Division

502-459-7475

Nashville Division

615-822-3030

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sales@mgnewell.com

We Make It Work Better.



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We Make It Work Better.

It's not just a tag line; it's a commitment we make to provide unparalleled service and quality parts through every phase of our relationship with you.



The company was founded by Myron G. Newell, who came to Greensboro from Elmira, New York and opened a store in 1885 selling everything from hand churns to buggies. The company was first incorporated in May 1908. In 1913, it added farm machinery to its product line. At the suggestion of Newell's son, Burton M. Newell, Sr., the company began specializing in the dairy business in the early 1920's.

Over the years, the company has expanded into the food, beverage, pharmaceutical, and personal care industries, having evolved from being a full-line distributor to a full-service systems integration company.

Currently, M.G. Newell has three locations: Greensboro, NC, Louisville, KY and Nashville, TN. With the addition of the Louisville and Nashville division, the original M.G. Newell now functions as the corporate headquarter and houses the Greensboro division.



Ferrules Elbows

Gaskets Reducers

Sight Glasses Strainers







1/2"-6" sizes

Tri-clamp or bevel seat

All stainless-304 or 316L

DIN connections available

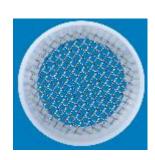
Cam-locking style clamps

Three-piece reusable clamp connections

Metal-detectable gaskets

Buna N, EPDM, Silicone, FKM/ Viton®, PTFE/Teflon®

Screen gaskets













The clamped union is the critical element for evaluating pipeline pressure capacity. Be certain your pressure ratings are for the union—not just the clamp.



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Single pin tri-clamps

Double pin tri-clamps

High pressure clamps

Squeeze clamps

Smart Clamp™





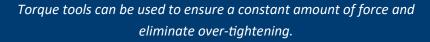
Sizes range from 1/2" to 12" for most types Squeeze clamp—1" to 4" size

304 or 316 SS









Butterfly valves Diaphragm valves

Ball valves Check valves

Mix-Proof valves 2-Way valves

Shut Off and Divert Zero-Static valves

valves Block Body and Custom

Angle Seat valves Blocks









ASTM 316 or 304 stainless steel construction

Sanitary tri-clamp ends

Easy to install and maintain

Materials comply with FDA, USDA and 3A requirements

USP class 6 materials available

FDA elastomeric seats available

Mix-Proof valves for continuous processing

Sizes up to 4"







The EnviZion® diaphragm valve features a quick change bonnet that requires no tools and reduces the time required for diaphragm changes by 90%!











Manual actuators

Pneumatic actuation

Valve communication platforms— FieldBus, HART, AS-Interface, IO Link

Networking/wireless link options available

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PD pumps

Centrifugal pumps

Twin-Screw pumps

Diaphragm pumps

Mag drive pumps

Progressive cavity pumps

Drum/Tote unloaders





The feed screw will gently feed high-viscosity, non-flowable media into your twin screw pump.



ASTM 316 stainless steel construction

Pumps for a wide range of product viscosities—up to 1,000,000 cps - and soft or hard particulates

FDA, USDA and 3A compliant

USP class 6 materials available

SPX Flow Certified Pump Repair Center

Seal kits and maintenance programs

Pump rebuild and remanufacture





Waukesha pumps are constructed with larger diameter shafts for greater strength and stiffness; extended life outer seals and heavy duty bearing frames.



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Pump carts with optional VFD control or remote mount pendants **Stainless steel frame Electric drum pumps/Piston pumps Stainless motors** Sanitary pump tubes





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Dust-Free and Leak-Free

Easy installation and replacement

Explosion resistant

Transparent connections





Non-permeable connectors made from clear, ether-based polyurethane

Will not fracture with flexing

Options include static dissipation, high pressure transfers, black out covers, Kevlar® covers, PTFE covers

304 or 316 spigots available

Available in diameters from 4" - 65"

Connector lengths available from 3" - 19 1/2 feet







Flexible connectors provide a safe and hygienic alternative to hose clips





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Hoses

Wash Down Stations

Hose support/fitting bumper

Sight glass/flow indicator



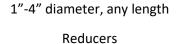
Three-piece hose assemblies are reusable and offer a complete sanitary coupling!











Laser etching for permanent traceability and identification
Rubber, silicone, PVC or fluoropolymer lined
Molded, jacketed and/or grounded hoses available





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Processing kettles

Pressure tanks

Storage silos

Fermenters

Balance tanks

CIP/COP tanks





Single-wall or jacketed designs

Fully customizable

Standard bottom configurations—conical, dish, flat-sloped
Standard top configurations—open, dome or bridge & cover

Various agitation options available

Electropolishing and passivation available













Flat-bed scales are easy and safe for workers and have very low space requirements due to their lowprofile design (no pits required).





Angle-Line Reverse Flow (Side Inlet)





Magnet traps and inline strainers

Pleated and membrane filter cartridges

Available in a wide range of configurations and micron sizes

Membrane filters available in PES, PS, PTFE, or nylon

Pleated filters available with glass or PP fiber media

Flow

Pressure

Level

Conductivity

Temperature

Turbidity





All stainless steel, rugged construction

Compliant with FDA, PMO and USDA

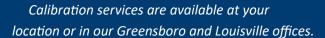
USP class 6 materials available

Installation of metered system

Chart recording

Batch controllers



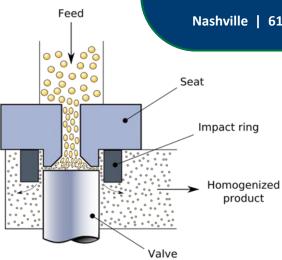








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Service-friendly

Easy to operate

Large selection of standard options—plungers, packings, pump valves, valve seats and seals—for your application

Optional sound-proof cabinets





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HOMOGENIZERS

In-Tank High or Low Shear Mixing

In-Line Mixing

Shearmill

Powder induction

High purity magnetic mixers







Whether dissolving, dispersing or deagglomerating, we have the right mixer for your application.





3A and USDA compliant

Simplified, sealed drive assemblies

Clean-In-Place capability

Reduced energy consumption and mixing time

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Drum, tote and tank mixers for top entry or side entry

Portable or fixed mount

Portable mixer stands



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In tank design, it is critical that the impellers (and baffles when used) are in the correct position to insure proper mixing

Plate and frame HEX

Scrape surface HEX

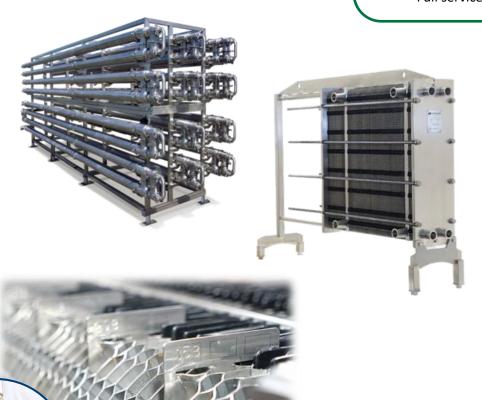
Shell and Tube HEX

Cooker-Cooler





Heavy-duty stainless steel designs
Sanitary—3A and FDA compliant
Efficient and flexible configurations
Available as skidded systems
Full service maintenance and repair





By controlling the thermal processing properties, producers can improve product viscosity, color, texture, and sensory features such as taste, smell and mouth feel.



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Steam traps
Clean steam
Skidded utility sets
In-line steam injection
SS In-line water heaters

Custom fabricated heat utility systems

Cooking/hot fill/aseptic systems

Precise temperature control

Energy efficient





A steam trap is an automatic valve designed to stop the flow of steam so that heat energy can be transferred, and the condensate and air can be discharged as required.

CIP/COP skidded systems

Tank cleaning

Spray balls

Strainers

COP baskets, totes, trays

Supply tubes







Cabinet and tunnel washers

Custom designed racks for buckets, totes, trays and more

Custom spray ball patterns available













To achieve a sanitary clean, the basic cleaning principles of TACT—Time, Action, Chemical and Temperature—must be understood.



CIP/COP combination systems





If there are several different products running through a process, the goal is to optimize the cycles down to the minimum time required to clean the equipment following each product that runs through the process.



Liquid gassing and degassing systems

CO₂ and O₂ measurement

Optional bumper guard



Different membrane sizes allow for a wide range of flows, from as little as 5 gpm to over 1000 gpm.





Portable or inline systems

Measures headspace or liquid content

Fast, high accuracy and measurement stability

Suitable for water, soda, beer or other beverages



Slip-resistant grating floors and stair treads provide maximum traction even in wet and oily environments.

Non-slip flooring and grates

Stair treads and covers

Ladder rungs and covers

Armoloy® coating for superior metal protection, friction, wear and corrosion resistant solutions





Armoloy® coatings make food processing equipment last longer and clean up faster. Coatings are USDA and FDA approved for food contact applications.







Pump carts provide flexibility and cost savings. They are designed with bead-blasted stainless steel base and frame and locking caster wheels for durability.



Pump carts with optional VFD control or remote mount pendants

Stainless steel frame

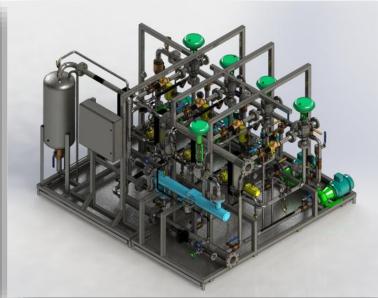
Pump lift stations

Stainless motors



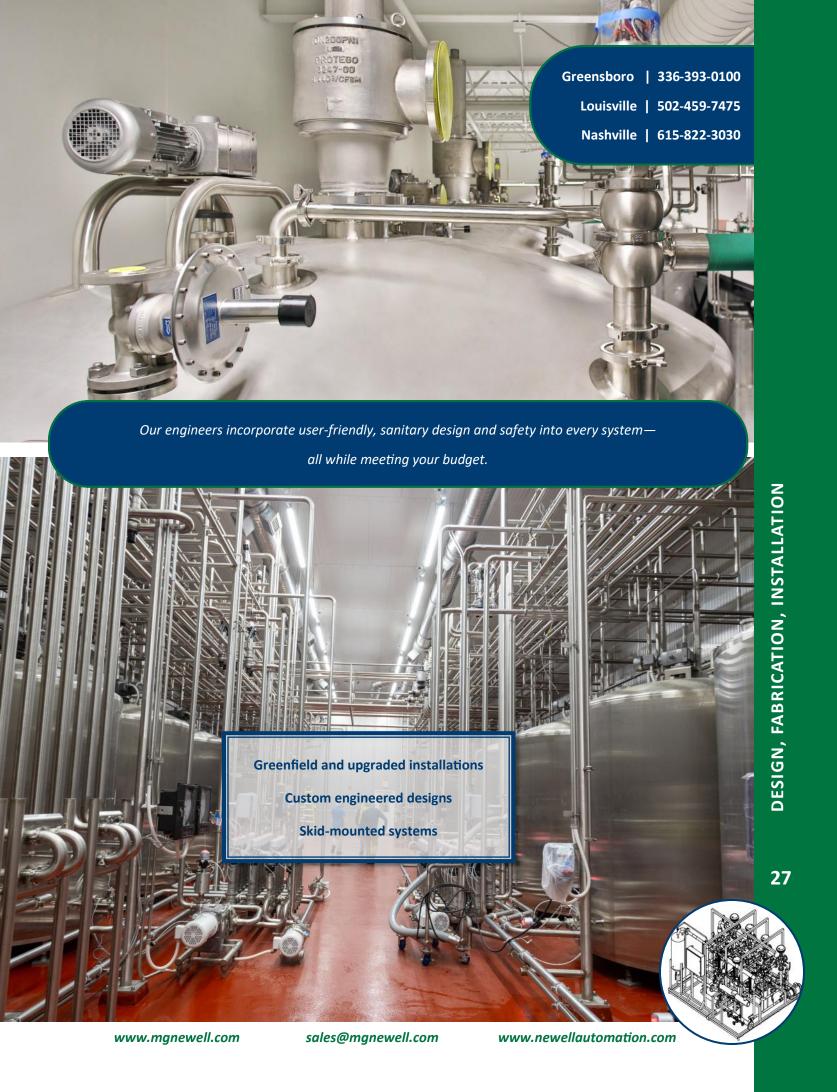
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General Arrangement Drawings Piping & Instrumentation Diagrams 3D Solid Works Modeling/Drawings **Construction Drawings** As-Built Drawings





Calibration services for:

Pressure

Conductivity

Level

Temperature

рΗ

Chart recorders

Flow including magnetic, turbine, mass and PD





Valve maintenance

Homogenizer maintenance

SPX Flow Certified Repair Center





As a Certified Repair Center, M.G. Newell has qualified factory service technicians on staff with over 30 years of experience.













Newell University is a seminar series aimed at educating plant engineers, operation managers, maintenance managers, QC personnel and plant leadership. The sessions are technical in nature in small class room settings using hands-on and real life examples. We offer these classes at our office or at your facility.



PLC Design and Programming

HMI Design and Programming

Control Panel Design and Fabrication

Audits and Retrofits





UL-508A Certified Panel Shop

Panels meet NFPA, NEC and UL-508 regulations

NEMA 4x and explosion proof panels optional

Factory and Site Acceptance testing

SCADA systems

Rockwell Automation Recognized System Integrator

Automating flawed or inefficient processes is similar to 'garbage in, garbage out'

- Engineer's Proverb







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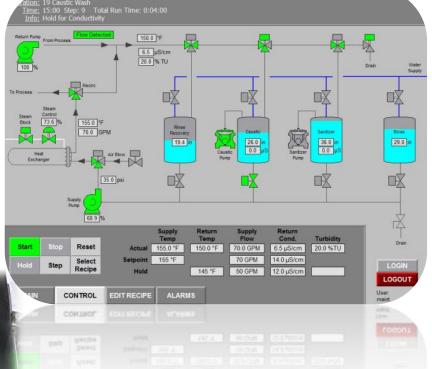


Program development

Piping and Instrumentation drawings

Documentation

Support and training





Rockwell Automation

Recognized
System
Integrator





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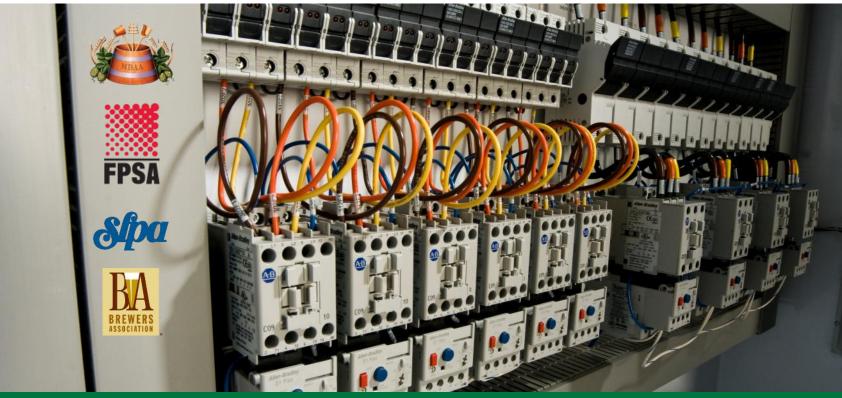












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