

Founded in 1967, Plast-O-Matic strives to continually advance the technology of liquid pressure and flow control in plastic piping systems.

As the performance leader in the development of plastic valves and controls, Plast-O-Matic provides a complete line of standard and custom designed solutions for difficult applications.

CORROSIVE LIQUIDS:

- + Chemical Processing
- + Specialty Chemical Filling / Dispensing
- + Water & Wastewater Treatment
- + Metal Finishing
- + PC Board Fabrication
- + Commercial Laundry
- + Pulp & Paper
- + Battery Manufacturing
- + Petroleum & Alternative Energy



The corrosive liquid markets use Plast-O-Matic products for the control of sodium hypochlorite, nitric acid, hydrochloric acid, phosphoric acid, sulfuric acid, solvents, chlorine, hydrogen peroxide, ethylene glycol, seawater, detergents, surfactants, brine, oil, fluoride, ferric chloride, sodium bi-sulfate, ferric sulfate, and calcium chloride.

HIGH PURITY & ULTRA-PURE LIQUIDS:

- + Semiconductor Fabs
- + Food & Beverage
- + Medical & Pharmaceutical including Dialysis
- + Aquatic Animal Life Support
- + Laboratory & Research



The high purity and ultra-pure liquid markets use Plast-O-Matic products for the control of deionized water, reverse osmosis water, ultra-pure chemicals, sanitary process liquids, and sodium bicarbonate.

OUR MISSION:

Plast-O-Matic Valves, Inc. sells innovative, high performing, high value thermoplastic valves and controls for demanding corrosive and ultra-pure liquid applications. We provide a clean and healthy work environment and growth opportunities to our skilled and dedicated employees.

Our customer-centric workforce is empowered to improve processes used to design and manufacture standard and custom products that exceed the expectations of our global customers.

When it comes to thermoplastic valves and controls, we are the problem solvers.



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- + VALVES
- + ACTUATORS
- + GAUGE GUARDS
- + INSTRUMENTATION
- + SIGHT GLASSES
- + PRESSURE & FLOW CONTROL



QUALITY ENGINEERED
THERMOPLASTIC
VALVES + CONTROLS

FOR CORROSIVE &
ULTRA-PURE LIQUIDS



HOW WE DO IT

WE ARE COMMITTED TO PRODUCT INNOVATION, ENGINEERING EXCELLENCE, AND PRECISION MANUFACTURING.

We manufacture our valves and components from materials including:

- PVC
- Corzan CPVC
- PTFE
- Polypropylene
- Kynar PVDF

We also provide Halar, stainless steel, and custom materials depending on requirements.

Our modern manufacturing and engineering facility in New Jersey includes:

- Research & Design Engineering
- Product Development & Life Cycle Testing
- Manufacturing, including Injection Molding and CNC Machining
- Plastic Welding and Elastomer Seal Fabrication
- Complete Product Assembly & Testing
- Clean Room

From our facility in New Jersey or our warehouse in California, we are able to provide fast and quality service to all our customers throughout our network of authorized distributors.

All of our products ship after 100% quality testing. We offer hands-on technical assistance for any post-sales issues.

We also welcome unique applications and offer product development and custom engineering services. We have specialists and support staff available at all times to provide easily accessible and knowledgeable technical phone support.




A THE ENGINEERED BALL VALVE

Actuated & Manual Ball Valves feature trunion safety design and dual sliding seats for ultra-smooth operation and repeatable bubble-tight shutoff with an incredibly long cycle life. Available 2-way and 3-way, in 3/8"– 4" sizes.


- Electric actuators feature standard manual override, with options including battery powered fail safe, and electronic positioning control.
- Air-actuators offered in air x air and fail-safe air x spring, along with optional limit stops, limit switches, and electro-pneumatic positioning.
- Manual valves offer easy conversion to actuation, even after installation.
- Lateral reducing valves provide rugged, break-proof designs for lateral drops.

Options include lock out/tag out, metering, z-vent for sodium hypochlorite service, and characterized ball cuts for precise flow control.




B CHECK VALVES

Leak-proof check valves prevent reverse flow of water, extremely corrosive, and ultra-pure liquids. A unique, patented diaphragm provides normally-closed operation with a bubble-tight seal, even with no reverse pressure. An encapsulated spring and sliding poppet recreates this performance in larger sizes. 1/2" through 4" sizes.



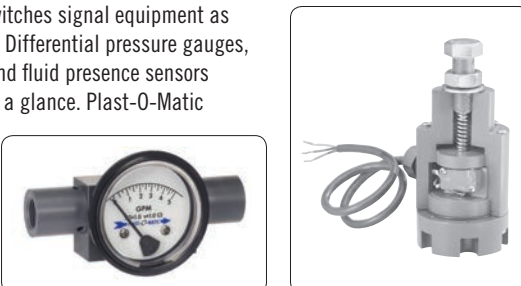
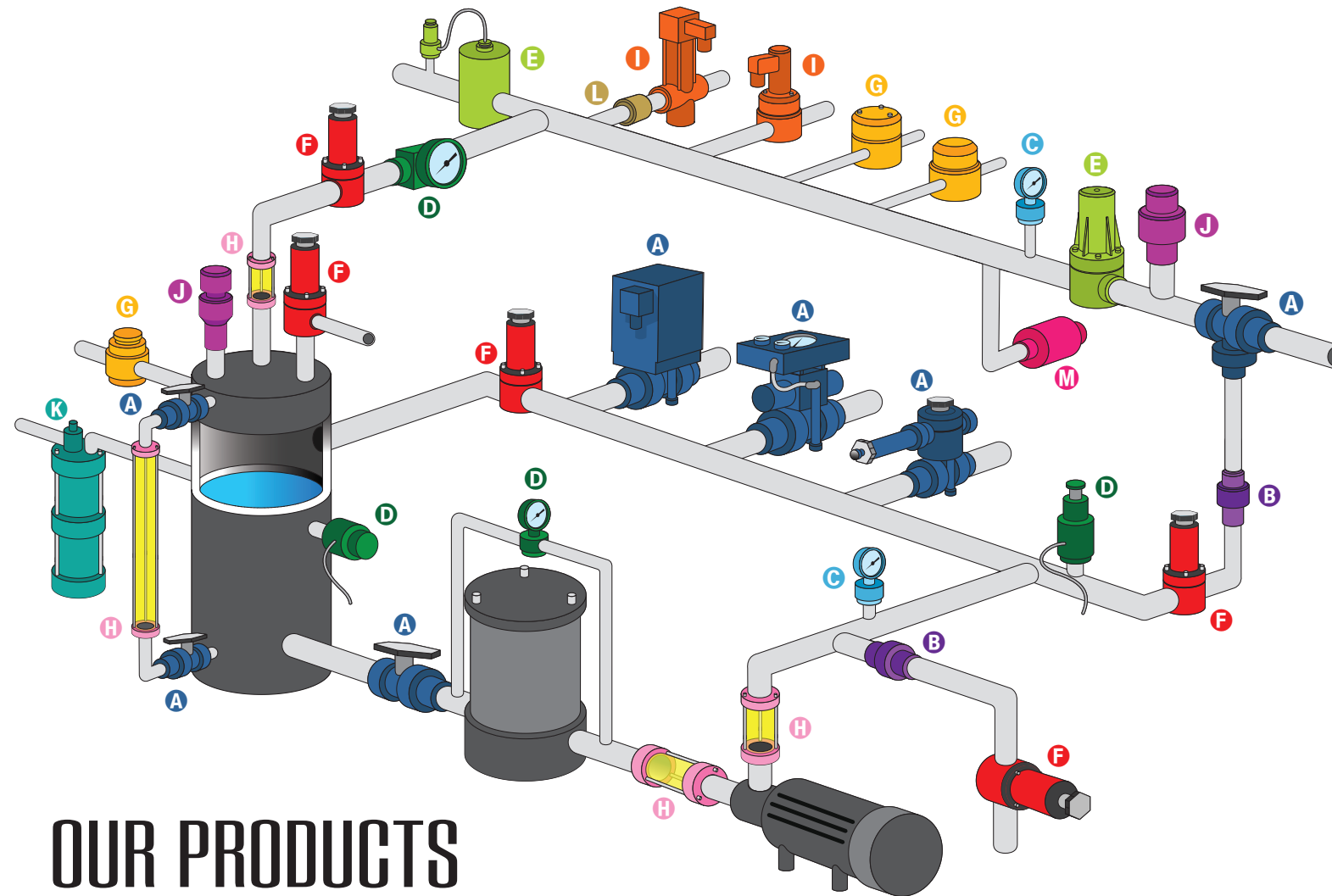
C GAUGE GUARDS

Choice of PTFE or Viton barrier seal protects instruments from corrosion and clogging while maintaining high accuracy. Compact and ultra-pure zero dead leg designs available.



D INSTRUMENTATION


Flow, level, and pressure switches signal equipment as system parameters change. Differential pressure gauges, variable area flow meters and fluid presence sensors indicate system changes at a glance. Plast-O-Matic instruments are designed with isolated or coated metals to prevent corrosion and process contamination.

OUR PRODUCTS


E PRESSURE REGULATORS

Accurately reduce and regulate steady or varying inlet pressures and maintain a constant, predetermined maximum outlet set pressure. Offered in spring controlled, air controlled, differential controlled and ultra-pure designs. Plast-O-Matic regulators are consistently recognized as the industry's top performers for maximum flow with minimal drop-off from set pressure. 1/2" through 4" sizes.




F RELIEF/BYPASS/BACKPRESSURE/ANTI-SIPHON VALVES

Prevent system overpressure, regulate backpressure, provide automatic bypass, and eliminate siphon with high performance relief valves. 2-way and 3-way designs, straight and angle pattern, choice of elastomer or PTFE diaphragm design. 1/4" – 3" sizes.




G SHUT-OFF AND DIVERTER VALVES

Variety of air operated, line pressure assisted, and manually operated shut-off valves in both diaphragm and globe styles. Air operated pinch valves, quick dump valves, and three-way valves also provide bubble-tight shut-off for a variety of applications. Available in compact and heavy duty designs with a number of options including fail-safe spring return, limit stops, visual indicator windows, and the patented Fail-Dry® early warning vent.



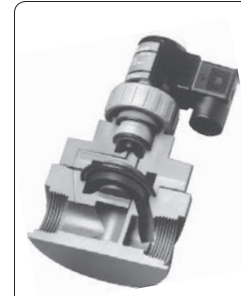
H SIGHT GLASSES & LEVEL INDICATORS

For safe, positive indication of flow and clarity of corrosive or ultra-pure liquids. Single-wall design for liquids compatible with acrylic; double-wall design features Pyrex inner cylinder for all other applications. Optional streamers provide instant visual proof of flow. 1/2" to 8" sizes.




I SOLENOID VALVES

Electrically actuated valves for severe service applications for virtually all types of solutions. PTFE bellows barrier seal in both direct acting and pilot operated designs; proven million-cycle life provides lowest cost of lifetime ownership. Normally-open and three-way models available. 1/4" through 3" sizes.



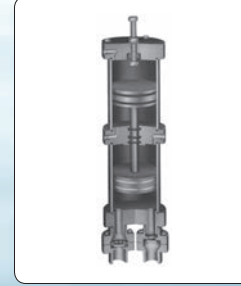
J VENTING VALVES & VACUUM BREAKERS

Air release valves provide high capacity venting of gas at system start up, while degassing valves vent trace amounts of gas as it occurs during system operation. Vacuum breakers open automatically in response to minimal vacuum to prevent unwanted siphonage or collapse of storage tanks. Plast-O-Matic degassing vent & vacuum breaker valves automatically seal bubble tight when not in use; air release valves automatically reseal when liquid fills the valve.




K METERING PUMPS

Self-priming air-operated pumps deliver exact quantities of highly corrosive liquids. Adjustable discharge rates, ideal for specialty chemical filling or periodic dosing in a process.



L CONSTANT FLOW VALVES

Automatic, tamper-proof valves maintain a constant flow regardless of inlet pressure changes between 15 and 100 PSI.



M CUSTOM VALVES

In addition to our line of standard products, Plast-O-Matic offers unique valves and controls, designed and manufactured to provide solutions for highly specialized applications.

