

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.

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.



**PLAST-O-MATIC HAS
50 YEARS OF EXPERIENCE**

in the control of ultra-pure liquids.

- Highest flow performance of any valve supplier
- Exceeds all equipment regulator specifications for flow
- Highest purity level of any valve supplier
- Lowest tested particle shedding of any valve supplier
- The UHP standard in many FABs
- Lowest cost-of-ownership of any valve supplier
- Longest tested product cycle life of any valve supplier

Our proprietary two-part preliminary cleaning procedure is key to our high purity products. First, **surfaces are treated** to be amenable to the scavenging of metallic residues, mold release agents and ancillary contaminants. **SEMI F-57 compatible agents are used to scour the activated surface.** The contaminants and scouring agents are then flushed from all parts with 18 meg ohm water. Next, the **internal valve components** are carefully cleaned and scrubbed using 18 meg ohm water. The valves are then assembled in our clean room and tested. A final Class 100 clean and double-bag procedure is also available.



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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plastomatic.com

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



**QUALITY ENGINEERED
THERMOPLASTIC
VALVES + CONTROLS**

FOR
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.



ULTRA-PURE

A HIGH PURITY PRESSURE REGULATORS

Ultimate combination of flow performance and purity; features machined Kynar 740 body with metal ion-free EPDM elastomer and non-rising adjustment. Includes choice of spigot types and proprietary POM pre-assembly cleaning, 8 hour cold/hot rinse, and final Class 100 clean and double-bag procedure. Design also closes bubble tight in the event of severe overpressure.



B ULTRA-PURE PRESSURE REGULATORS

Cleanest pressure regulator on the market features convoluted TFM diaphragm and no external fasteners and is designed to meet SEMI F-57 specifications. Includes choice of spigot types and proprietary POM pre-assembly cleaning, 8 hour cold/hot rinse, and final Class 100 clean and double-bag procedure. Non-closing design for continuous flow systems.



C ZERO DEADLEG INSTRUMENT ISOLATORS

Unique in-line design eliminates dead leg that can harbor bacterial growth and contamination. Unpigmented thermoplastic material. Special flexible elastomer spool separates system liquid from gauge fill liquid and assures accurate reading; choice of FKM or metal ion-free EPDM. Choice of spigot types; available with or without gauge.



D QUICK DUMP VALVES

Drain mounted for rapid vortex emptying of a sink or tank. IDA is available as double-acting air by air or normally-closed spring return design. High capacity design provides up to twice the flow rate of typical dump valves; remains bubble-tight with up to 25" of head.



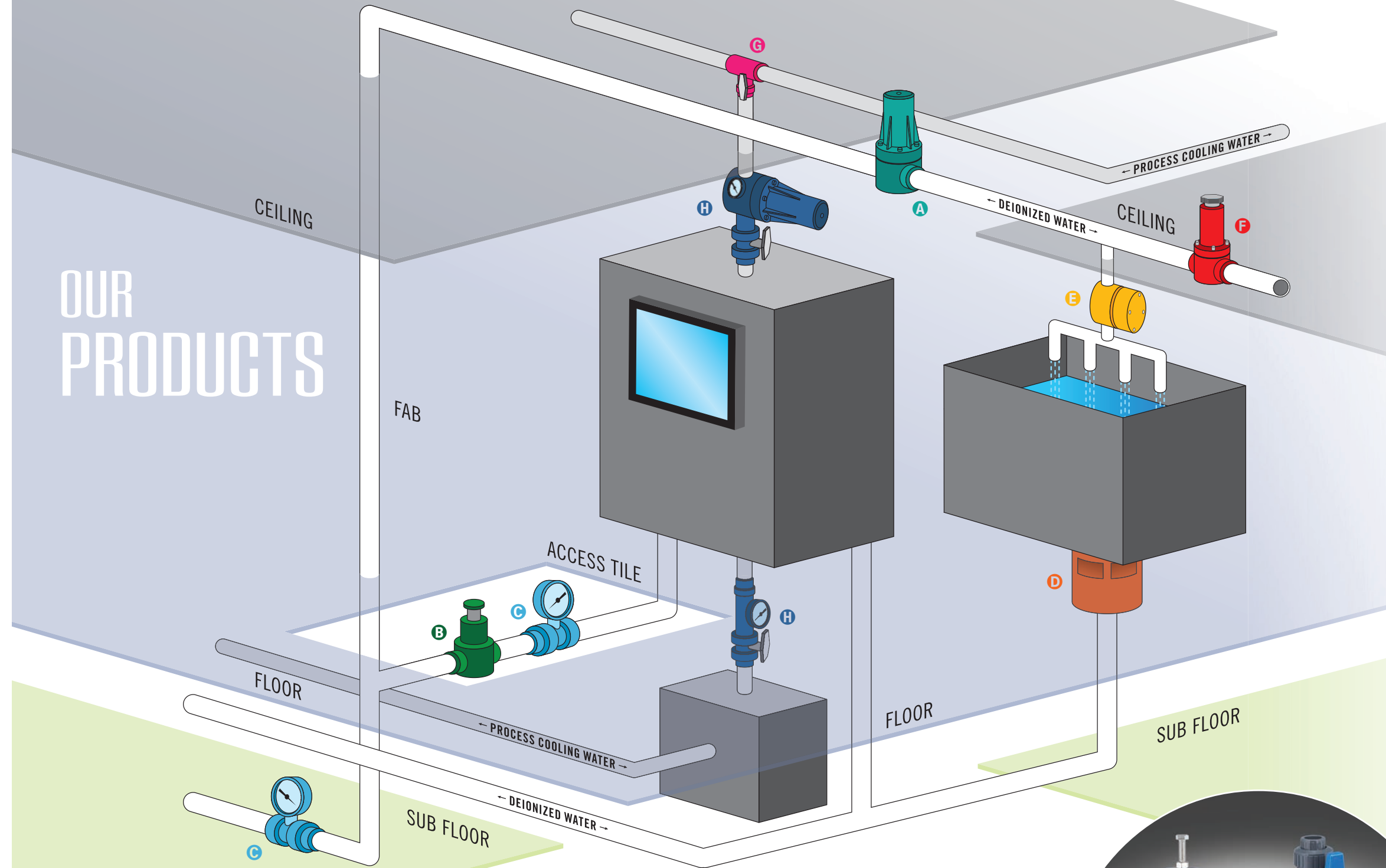
E DIAPHRAGM VALVES

Long cycle life and compact design. Air to open/spring return normally closed. Excellent for delivering water, ultra-high purity or highly corrosive liquids to spray heads and other points of use. PTFE diaphragm with no wetted elastomers plus smooth internal cavities preserve purity and avoid deadleg. Connections can be female socket, female threads, spigots, or flare.



F BACKPRESSURE VALVES

PTFE diaphragm provides the ultimate in corrosion resistance and contamination free sealing with no wetted elastomers. Versatile valve functions as backpressure regulator, pump backpressure, bypass, relief, or anti-siphon valve. For water, highly aggressive and ultra-pure liquid applications.



PROCESS COOLING

G LATERAL REDUCING VALVES

Revolutionary ball valve adapter eliminates weakness inherent to lateral drops; installs easily into the tee without additional fittings. Also an ideal replacement for costly zero dead-leg valves.



H PROCESS COOLING STICKS

Rugged, reinforced assemblies for process cooling water applications combine valves, gauges, flow meters and connectors into compact "sticks" that are virtually indestructible and drastically reduce installation costs. PCWS supply side features pressure regulator and pressure gauge; PCWR return side features flowmeter and throttling valve. Customizable with any combination of valves and connections. Eliminates poor flow performance and rouging inherent with stainless steel products.

