

Model 4615

Automated Control Package for
Industrial Backwash Water Filter Systems



Sigma Design Company introduces our **Model 4615 Automated Industrial Backwash Filter Controls System**, our latest automated control package, customizable to meet our clients' specific, exacting needs.

Our new, state-of-the-art Model 4615 system unlocks superior performance, efficiency, and control. Designed for modern industrial environments, this package ensures that your water filtration processes run smoothly, efficiently, and reliably, keeping your operations ahead of the curve.

A single source design and engineering firm, Sigma Design Company is known for our extensive experience in industrial design, engineering, and manufacturing including water filtration systems. The Model 4615 control panel is designed in accordance with and inspected to UL 508a. We offer ASME welding and internal flow testing to 200 gpm all under one roof. Our team of professional engineers is ready to analyze, configure, design and build the system to meet your exact needs.

The key features of the Model 4615 Automated Control Package include:

- Smart Control Interface, an intuitive 5 function key interface that allows for real-time monitoring, control. Easy viewing of the system status and the ability to adjust parameters are all at your fingertips.
- Automated Filtration Management seamlessly integrates with existing water filtration systems to optimize performance. Automated backwashing, based on differential pressure switch, ensures peak efficiency and extended filter life.
- With Network Access & Connectivity, the control package send data tags status over Ethernet, allowing you to remotely monitor your system, reducing the need for on-site management.

Why choose the Model 4615 automated industrial backwash filter controls package?

- Reliability & Durability: Built for industrial environments, our control package is designed in accordance with and inspected to UL 508a, housed in a NEMA Type 4X FRP enclosure.
- Easy Integration: Compatible with various filtration systems, our control package is easy to install and integrate, minimizing downtime and maximizing efficiency.
- Expert Engineering Support: Backed by our team of industry experts, we provide comprehensive support, ensuring that your system runs at its best.

TURNING SMART IDEAS INTO PRODUCT SOLUTIONS

Sigma Design Company, 200 Pond Ave., Middlesex NJ 08846 | 732.629.7555 | info@sigmadesign.net | sigmadesign.net

Need a customized solution?

Sigma Design Company is a certified UL 508a Industrial Controls design/build manufacturer with decades of filtration experience. We are ready to customize any of our systems to meet the exact requirements of our clients. As needed, we can provide a consultative approach to help clients along every phase of building a new filtration system—from designing to 3D modeling, testing, prototyping, and manufacturing.

Since 1999, Sigma Design has delivered over 1,000 successful products and solutions to clients in diverse industries, saving them hundreds of thousands of dollars on manufacturing. Our expertise and dedication to excellence have enabled us to work with global brands, prestigious universities, and national governments. Our industrial water filtration and treatment systems utilize the latest in water technology to meet your project's exact needs.

Our experience and capabilities in industrial filtration and water treatment include:

- Design/build an arsenic removal pump and treatment system (MEI)
- Design/build an in-situ water analysis system (Well Tech Environmental)
- Design/build a pilot automatic filtration system for the CVNX Desalination Systems (U.S. Navy)
- Develop testing systems to evaluate desalination equipment on naval vessels (U.S. Navy)
- Design/build a complete automatic filtration and separation product line (Spiral Water Technologies)
- Design/build nutrient dosing system for vertical farms (Crop One)
- Develop a patented centrifugal separator with an ultraviolet disinfection system (University of Maryland Center for Environmental Sciences)
- Design cooling water filters for zebra mussel control at the Hoover Dam and Parker Dam (U.S. Bureau of Reclamation)



About Sigma Design Company

Sigma Design is a leading one-stop design, engineering, and manufacturing resource for the development of specialty equipment and engineered systems. Our mission is to provide clients with creative, affordable and easily manufactured designs and manufacturing assembly solutions that achieve their product, business and revenue goals. Our clients have included hundreds of leading global brands and manufacturing firms across a wide array of industries. Based in New Jersey for more than 20 years, we have transformed more than 1,000 design and design/build projects into successful products and specialty equipment in use across the world.

SERVICES INCLUDE:

- Design and engineering
- Testing
- Manufacturing

Your trusted one-stop resource for end-to-end product development and commercialization solutions, on time and on budget.

TURNING SMART IDEAS INTO PRODUCT SOLUTIONS

Sigma Design Company, 200 Pond Ave., Middlesex NJ 08846 | 732.629.7555 | info@sigmadesign.net | sigmadesign.net