Water Solutions

Customized OEM Monitoring and Control Instrumentation Engineered to your Exact Specifications for Equipment Used in the Water Industry

The Challenge Today

Global necessity for clean water is driving the need for innovative treatment solutions. To meet the growing demand, system and equipment manufacturers are looking to partner with companies that have a global presence and a commitment to continuous product improvement and innovation as part of their DNA. With facilities in North America, Europe and Asia, as well as a global network of distributors, Barksdale is positioned to support you and your customers wherever they are located. In addition to this, our parent company Crane Co. ensures that we will be here to support our customers over the long run.

Barksdale's control products are designed to meet this challenge. We engineer our products to deliver exceptional performance and long life even in the most demanding applications. When you choose Barksdale's products, you can rest easy knowing that over 75 years of experience has guided that design and development. Our goal is to help you "Control Every Drop!"

Advancing Water Treatment Technology: Our Commitment

Potable water remains one of our largest challenges globally. Providing reliable and sustainable sources of clean water is critical. A large portion of demand is associated with agriculture irrigation (~70%). The remaining demand consists of industrial processing (~20%) and households (~10%). Fresh water only accounts for about 3% of Earth's supply while 97% is saltwater. Treatment and distribution are driving newer and more efficient processing technologies to address the challenges of water scarcity. Barksdale products play a role in managing this precious commodity. We are committed to assist our customers in engineering new products and systems to manage these resources.

Solutions for a Diverse Range of Applications

Barksdale's pressure, temperature, level and flow instruments ensure seamless integration and optimal performance across various water treatment processes.

▶ PFAS Treatment Systems (Activated Carbon, Ion Exchange and Membranes)

▶ Desalination Systems (SWRO, Vapor Compression Brine Concentrator, Single/Multiple-Effect Evaporator)

▶ Reverse Osmosis Systems

▶ Distillation Systems (Multistage Flash Evaporation)

▶ Filtration Systems (Ultra-, Micro- and Nano-)

▶ Blower & Compressor Packaged Systems

▶ Mobile & Containerized Packaged Systems

Applications

▶ System pressure monitoring

▶ Suction head pump monitoring/control

▶ Multimedia filter differential pressure control and level gauging

▶ Cartridge filter differential pressure control

▶ System temperature control

▶ Submersible level measurement (hydrostatic pressure) for groundwater management

▶ Vessel level control

▶ External tank gauging

Barksdale's Customized Solutions

Pressure Transducers

Barksdale's engineered BoT Transducers are rugged, compact, and offer fully customizable pressure ranges, electrical and process connections, product certifications, and more.

▶ Pressure ranges up to 10,000 psi (690 bar)

▶ Durable construction with NEMA 4X/IP67 environmental protection

Pressure Switches

Accurately monitor and control your water processing systems. Available in both electronic and mechanical versions to meet your specific requirements.

▶ Pressure ranges up to 9,000 psi (620 bar)

▶ Differential pressure adjustable ranges from 0.03 to 500 psi (0.002 to 34.5 bar)

Temperature Switches

Unmatched electronic and mechanical temperature switches provide accuracy, reliability and long life in a wide variety of water applications.

▶ Measuring ranges from: -22° to +450°F (-30° to +232°C)

▶ Single or dual relays designed for outdoor conditions

Level Transducers and Gauges

High quality, rugged and water resistant, Barksdale's mechanical and electronic level measuring devices provide continuous monitoring and long term stability.

▶ Submersible (hydrostatic) level transducers designed for small diameter pipes

▶ Multi-function devices for point and continuous level monitoring

BoT Pressure Transducers

Pressure Switches

Temperature Switches

Level Transducers & Gauges

Leverage our Engineering Expertise to Make Exactly What You Need

Modify Standard Products for OEM Systems

When off-the-shelf instrumentation and controls do not meet your needs, Barksdale is here to assist you. Our specialists work alongside your team to create bespoke designs that meet your unique product requirements.

We offer more than 50 product families and millions of configured options to measure, monitor and control processes essential to the Water industry. Our engineers will work side-by-side with you to fully integrate customized pressure and temperature transducers/transmitters, switches, valves and regulators along with meters in ways that optimize your system design. Some of our standard customization capabilities include:
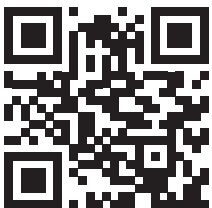
▶ Extended pressure, temperature or flow ranges

▶ Product certification

▶ Custom outputs; Communication protocols

▶ Electrical connection; Wire cable, color and length

▶ Process connection; Port size and location

▶ Design and validation for specific media compatibility

▶ Wetted material (fitting, diaphragm, O-ring)

▶ Factory setpoints for pressure and temperature switches

▶ Level or temperature custom probe lengths

Build your Solution!

Save time finding the right solution for your control and monitoring application with Barksdale's robust and easy to use 3D product configurator.

Barksdale's modular product design allows for easy customization to your specifications, reducing costs and offering more options to meet your application needs.

Configure your solution online at barksdale.com/configurator.

Visit Barksdale.com to view our complete product portfolio.

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