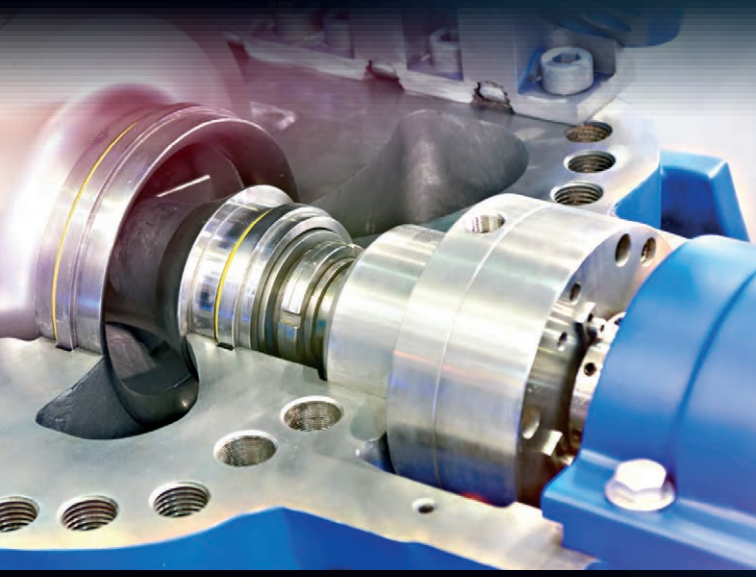
ABLE INSTRUMENTS & CONTROLS

FULL AHEAD

MONITORING AND CONTROL IN MARINE APPLICATIONS



Barksdale®
CONTROL PRODUCTS

COMMAND EVERY COURSE

able
instruments & controls

PARTNERSHIP IN FOCUS

For over 75 years, Barksdale has delivered reliable monitoring solutions for pressure, level, flow, and temperature across demanding industries.

Combining innovative products with responsive service and efficient process management, Barksdale integrates seamlessly into customer operations. Renowned for quality and reliability, Barksdale instrumentation performs with confidence in challenging environments, including harsh and demanding marine applications.

FULL SPEED AHEAD

It requires a lot of experience and power to navigate successfully on a global scale. We offer the right advantages:

- Country-specific approvals
- Worldwide availability through global presence
- Application specific, customized solutions
- Extensive market experience
- Durable products

Supplied in the UK and Ireland by Able Instruments, **Barksdale** products are trusted for use in harsh and safety-critical environments.

WITH NO LIMITS

Our portfolio offers diverse solutions for a multitude of applications:

Tank gauging
Level monitoring on fuel tanks, ballast tanks, cargo hold, bilges systems, fresh and wastewater systems

Propulsion systems
Pressure and temperature monitoring on engine, gear boxes, steering and cooling systems

Hydraulic systems
Hydraulic oil pressure and level monitoring on cranes, winches, davits and deck machinery

Exhaust gas scrubber systems
Pressure and level monitoring on scrubber tanks, filtration systems

Auxiliary systems
Pressure and temperature monitoring on pumps, compressors, firefighting systems

Wherever You Are

Built for precision. Proven at sea.

Our solutions deliver dependable monitoring and control for critical marine applications, whatever the conditions.

Barksdale®
CONTROL PRODUCTS

PRODUCT SPOTLIGHT – CRITICAL PROTECTION

BILGE GUARD LEVEL SWITCH

Rugged float level switch for reliable bilge level monitoring in marine environments

Engineered for demanding marine and industrial environments, the Bilge Guard offers a robust and dependable solution for monitoring rising liquid levels, triggering alarms, or activating pump control systems to help prevent flooding or overflow incidents.

Operating on a proven mechanical float switching principle, the Bilge Guard provides simple, maintenance-friendly operation. As liquid levels rise, an internal reed contact is actuated to deliver a clear on/off switching signal. With no requirement for external power or electronic calibration, it ensures dependable performance in harsh, contaminated, or challenging operating conditions.

Barksdale®
CONTROL PRODUCTS

Able Instruments is Barksdale's Master Distributor for the UK and Ireland, supplying the trusted Bilge Guard Level Switch for reliable single-point level detection in bilge and sump monitoring applications.

KEY FEATURES:

Mechanical float level detection:
Proven float and reed contact design provides reliable single-point level switching without external power.

Designed for bilge monitoring:
Optimised for bilge water, wastewater, and sump level detection in marine and harsh industrial environments.

Rugged construction:
Stainless steel stem and mounting bracket with a polyethylene float for durability in demanding conditions.

Optional test function:
Selected variants include an integrated test lever for routine functional checks without raising the liquid level.

High ingress protection:
IP67 / IP68 rated for reliable operation in wet, flooded, or submerged conditions.

Simple and dependable operation:
Mechanical switching principle eliminates the need for calibration or electronic setup.

Flexible mounting tolerance:
Designed for vertical installation with tolerance for slight angular deviation.

Marine approvals available:
Suitable for shipbuilding and marine applications where certification is required.

Supplied in the UK and Ireland by Able Instruments, **Barksdale** products are trusted for use in harsh and safety-critical environments.

Constructed with a stainless-steel stem and mounting bracket, polyethylene float, and durable polymer cable, the Bilge Guard is designed for long-term reliability in bilge water, wastewater, and demanding industrial environments. Selected models include an integrated test function, enabling routine operational checks without altering liquid levels.

Widely used in shipbuilding, yacht building, sewage systems, and industrial sump applications, the Bilge Guard delivers dependable performance for safety-critical level monitoring. With high ingress protection and marine approvals available on selected variants, it provides a trusted solution for harsh operating conditions.

SPECIFICATIONS

Level Measurement	Single-point level detection
Operating Principle	Mechanical float-actuated reed contact
Contact Type	SPST (normally open or normally closed depending on float orientation)
Contact Rating	Max. 230 VAC/DC, 2 A, 40 VA / 40 W
Min. Medium Density	≥ 0.80 g/cm^3
Max. Operating Pressure	Up to 3 bar at 20 °C
Operating Temperature	-20 °C to +70 °C
Construction Materials	Stainless steel stem and bracket, polyethylene float, polymer cable
Electrical Connection	Fixed polymer cable, 2 × 0.75 mm^2
Ingress Protection	IP67 / IP68
Mounting Orientation	Vertical installation (±15° tolerance)
Approvals	Marine approvals available (DNV, BV, RINA, LR); hazardous area variants available depending on configuration

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