

Oil & Gas



Control
Control
every move

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Barksdale
CONTROL PRODUCTS
CRANE Barksdale, Inc./Barksdale GmbH
A Subsidiary of Crane Co.

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Barksdale

Oil and Gas -

The Challenge today

The solution

Barksdale -the solution

Oil & Gas Today

Worldwide economic growth, depletion of oil reserves, and continued investment in exploration and production are driving the demand for oil and gas production equipment. This growing need is pushing producers to seek additional and more complex control equipment that excel in harsh conditions while also delivering a superior level of efficiency.

Barksdale's control products are designed to meet the challenge because we engineer our products to deliver exceptional performance and long life in most demanding applications. That is why when you choose Barksdale's control products; you can rest easy knowing that over 50 years of experience has guided that design and development. Our goal is to help you "Control Every Move"!

Barksdale engineering the future

Since 1949, when Barksdale was founded as a small storefront near downtown Los Angeles, we have maintained our core philosophy of being market-focused, technology-driven, and customer-intimate. Today, Barksdale Control Products employs over 300 individuals, has facilities on four continents including manufacturing facilities in Los Angeles, California and Reichelsheim, Germany, a global network of technology centers and support representatives, and is part of the Crane Co. family of businesses.

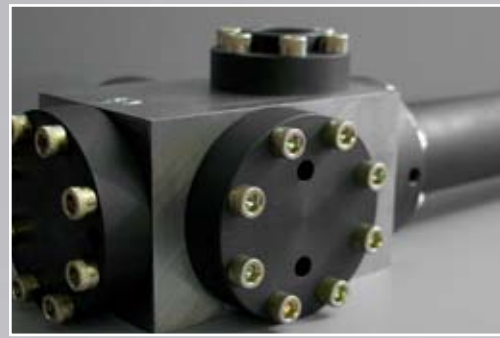
Barksdale the Solution

For over 50 years, Barksdale's revolutionary Shear-Seal® valve design has been recognized as the industry standard for demanding applications in the Oil & Gas industry. Designed to provide years of trouble-free operation and virtually zero leakage, the Shear-Seal® design uses fluid pressure to maintain a leak-free metal-to-metal seal that improves with use. The shearing action between the rotor & pressure seal continually laps the mating surfaces and prevents contaminants from lodging between the sealing surfaces. The result is a valve that doesn't wear out – but wears in over time.

Our customers rely on genuine Barksdale Shear-Seal® valve technology for their control systems because they know it is the only technology with a proven track record of performance in the most demanding situations. Our Shear-Seal® valve products are designed to thrive in high pressure, high flow, dirty environments where the need for zero leakage is an absolute necessity. They provide a high level of safety, quality and reliability for equipment world-wide.

Today, Barksdale has a complete line of pressure switches, level control products, temperature switches, pressure transducers and electronic control instruments to meet the most demanding equipment requirements. Combine this technical expertise with our dedication to exceptional service, and you will find that Barksdale is unmatched as a solutions provider to the industry.

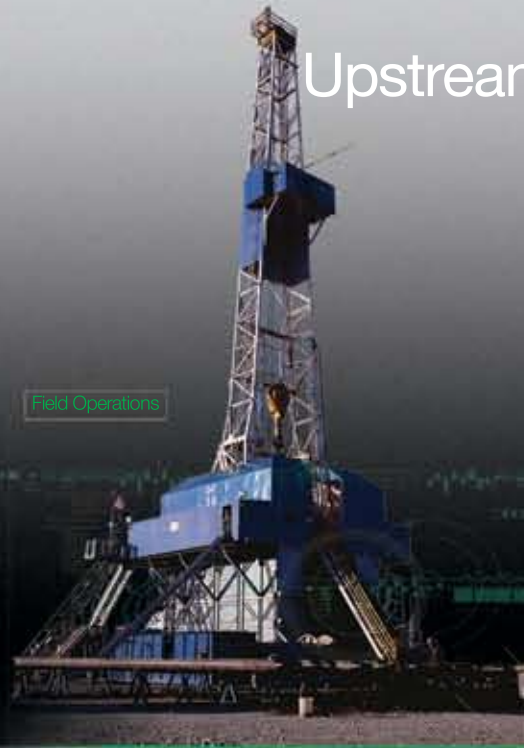




Upstream

Midstream

Downstream



Upstream

Barksdale has been a product leader providing Shear-Seal® valves and regulators to major oil & gas equipment manufacturers for over 50 years. Our products can be found in applications such as BOP closing units, offshore platforms, pipe injection machines, work-over rigs, oil separators and pumps.

Midstream

Barksdale is a main component provider to major oil & gas original equipment manufacturers. You can find Barksdale products in gas distribution instrumentation equipment, pipe cutting equipment, hydraulic power units, oil and gas tankers, heat tracing equipment, compressor stations and more.

Downstream

Barksdale is a major component provider to the refinery and petrochemical industries. Our products are located on pump skids, reservoir tanks, hydraulic power tools, sample systems, cooling stations, safety shutdown systems and more.



Solutions

Barksdale

state-of-the-art solutions

Valve

Low Pressure Air Valves

- ▶ Shear-Seal® Technology
- ▶ 1/4" to 1/2"
- ▶ Easy Panel Mounting
- ▶ Multiple Flow Patterns
- ▶ Interflow/Non-Interflow
- ▶ Spring Return

High Pressure Valves

- ▶ Shear-Seal® Technology
- ▶ Pressures to 15,000 psi
- ▶ 1/4" to 1"
- ▶ Stainless Steel Construction
- ▶ Air, Hydraulic, Water
- ▶ High Velocity Flow

Pressure Regulator Valves

- ▶ Shear-Seal® Technology
- ▶ 1/2" & 3/4" Full Flow
- ▶ Self Adjusting
- ▶ High Flow Capacity
- ▶ Tolerates Contaminates
- ▶ Manual Set or Fail-Safe Motor Control
- ▶ Self Venting

Hydraulic Relief Valves

- ▶ Original Shear-Seal® Technology
- ▶ Set Pressures up to 6,000 psi
- ▶ 3/4" Ports
- ▶ High Flow Capacity
- ▶ Corrosion Resistant Materials

Integral Actuator Control Valves

- ▶ Shear-Seal® Technology
- ▶ Integrated Actuator
- ▶ 1/4" to 1"
- ▶ 2-Position & 3-Position
- ▶ Corrosion Resistant Materials
- ▶ Selector, Bypass, Manipulator

Directional Control Valves

- ▶ Shear-Seal® Technology
- ▶ 1/4" to 1 1/2"
- ▶ Selector, Shut-Off, Bypass, Open Center, Manipulator
- ▶ High Velocity Flow
- ▶ Tolerates Contaminates
- ▶ Spring Return

Pressure Switch

Explosion proof bourdon tube pressure switch

- ▶ Adjustable Ranges: 50... 7200 psi
- ▶ UL CSA and ATEX Listed; Class 1 Div 1
- ▶ Single or Dual Settings - (SPDT)
- ▶ Stainless Steel Sensing Element
- ▶ Options: Hermetically Sealed Limit Switch; 1/2" NPT Female Process Connection; Oxygen Cleaned

Compact Explosion proof pressure switch

- ▶ Adjustable Range: 30" HG vac ... 7500 psi
- ▶ UL, CSA and ATEX Listed; Class 1 DIV 1
- ▶ Single Setting (SPDT) or (DPDT)
- ▶ High Proof Pressure
- ▶ Compact, Rugged, Stainless Steel Enclosure with Integral 1/2" NPT Male Conduit
- ▶ Options: 1/2" NPT Male or Female Process Connection; Gold Contact for Low Power

Explosion proof diaphragm pressure switch

- ▶ Adjustable Ranges: 30" Hg vac... 150 psi
- ▶ UL, CSA and ATEX Listed; Class 1 DIV 1
- ▶ Single or Dual Settings - (SPDT)
- ▶ Stainless Steel Sensing Element
- ▶ Options: Hermetically Sealed Limit Switch; 1/2" NPT Female Process Connection; Oxygen Cleaned

Explosion proof dia-seal pressure switch

- ▶ Adjustable Ranges: 1... 1600 psi
- ▶ UL and CSA Listed; Class 1 Div 2
- ▶ Single Setting - (SPDT)
- ▶ Options: Hermetically Sealed Limit Switch; 1/2" NPT Female Process Connection; Stainless Steel Fitting; Various Wetted Material Available

Pressure Transducers

Explosion Proof Transducer

- ▶ Explosion Proof Transducer for hazardous locations
- ▶ Rugged Stainless Steel Construction
- ▶ Superior EMI, ESD and RFI Protection
- ▶ NEMA 4X, 7 and 9
- ▶ Diffused Silicon Sensor for High Accuracy
- ▶ Up to 10,000 PSI (0-680 bar)

Industrial Transducer

- ▶ Industrial Grade Transducer
- ▶ Rugged Stainless Steel Construction
- ▶ Superior Surge Voltage Protection and EMI/RFI Immunity
- ▶ NEMA 4 enclosure
- ▶ Diffused Silicon Sensor for High Accuracy and Reliability
- ▶ Up to 10,000 PSI (0-680 bar)

Solid State

Solid State Pressure Switch

- ▶ Two (2) or Four (4) Switch-Points in One Compact Unit
- ▶ Analog Output Signal
- ▶ Selective Units are Capable to Switch AC and DC Loads
- ▶ High Accuracy with Adjustable Deadband
- ▶ Three (3) or four (4) Digit Display Screen
- ▶ Up to 9,000 PSI (0-600 bar)

UAS3 Solid State Trip Amplifier

- ▶ Monitors and Controls any Sensors with Analog Output
- ▶ Ability to switch up to four (4) Discrete Circuits in One Unit
- ▶ Capable to Switch AC and DC Loads
- ▶ High Accuracy with Adjustable Deadband
- ▶ Four (4) Digit Display Screen with Bar Graph

Level

Level Indicating System

- ▶ Continuous Output Transmitter (4-20 ma)
- ▶ Rugged Construction
- ▶ Stainless Steel Wetted Parts
- ▶ Magnetic Reed Switch Configuration
- ▶ Available with Flange or NPT Mountings

Level Sites

- ▶ Rugged, Welded Stainless Steel Construction
- ▶ Float Available in Stainless Steel or Titanium
- ▶ Available in either Mini Level (1.5 inches) or Standard Level (2 inches)
- ▶ Furnished with Highly Visible Flag Assembly
- ▶ Available Options: TLI; High Temp Flag Assembly; Limit Switch

Temperature Switch

Explosion Proof Local Mount & Remote Bulb & Capillary Temperature Switches

- ▶ Explosion-Proof
- ▶ High Accuracy
- ▶ Remote, Local or Ambient Sensing
- ▶ UL, CSA & ATEX Approved
- ▶ Single or Dual Set Point Option
- ▶ Class 1, Div. 1 & 2
- ▶ NEMA 4, 7 & 9
- ▶ Switch, Measure & Control Temperatures from 50° to 600°F (-45° to 316°C)

Remote Bulb and Capillary Temperature Switch

- ▶ Ambient Compensated
- ▶ NEMA 4 & IP 65
- ▶ UL, CSA & CE Approved
- ▶ Single or Dual Set Points Available
- ▶ Temperatures from -50° to 600°F (-45° to 316°C)
- ▶ Switch, Measure & Control Temperatures from -50° to 600°F (-45° to 316°C)

