

# Oil & Gas



Control  
every move

Pressure  
Temperature  
Level  
Flow

**Barksdale**  
CONTROL PRODUCTS

**CRANE**

Barksdale, Inc./Barksdale GmbH  
A Subsidiary of Crane Co.

# Barksdale

## Oil and Gas - The Challenge today

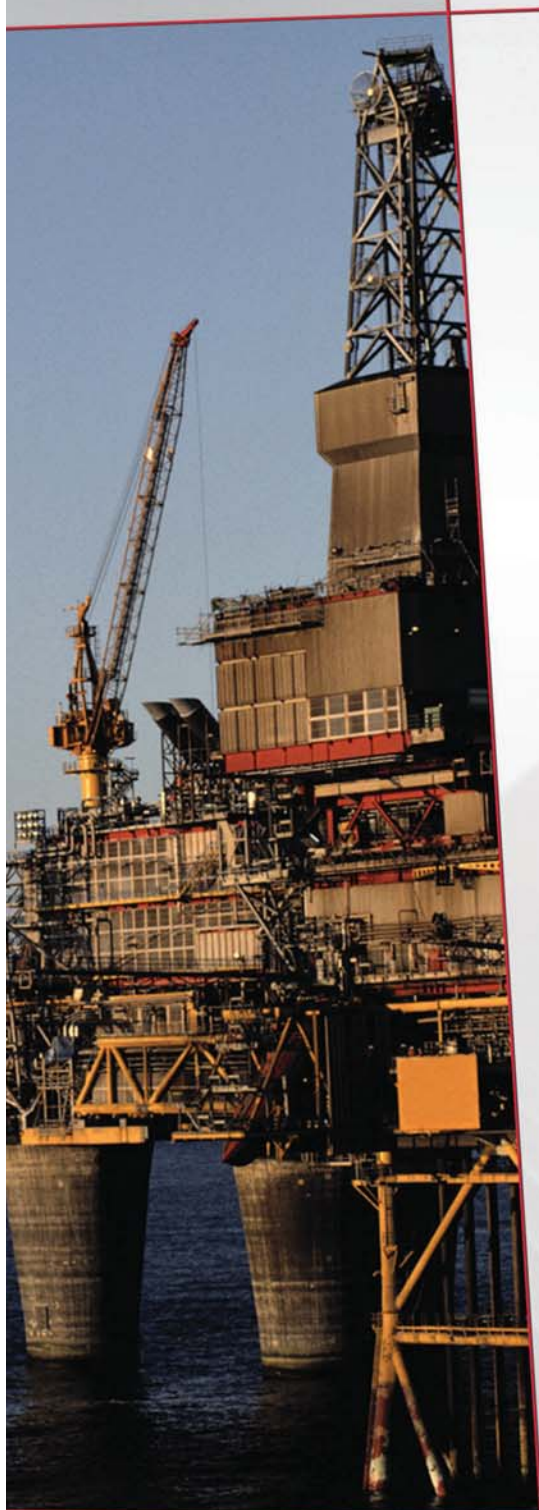
### **Oil & Gas Today**

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 the 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 been guided by our core values of being market-focused, technology-driven, and customer-intimate. Today, Barksdale Control Products has grown into a leading worldwide solutions provider with facilities in North America, Europe and Asia, offering a global network of technology centers and support representatives. As a part of the Crane Co. international family of businesses, Barksdale offers world-class capabilities and service to its customers.





# The Solution

## Barksdale - The Solution

### **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.

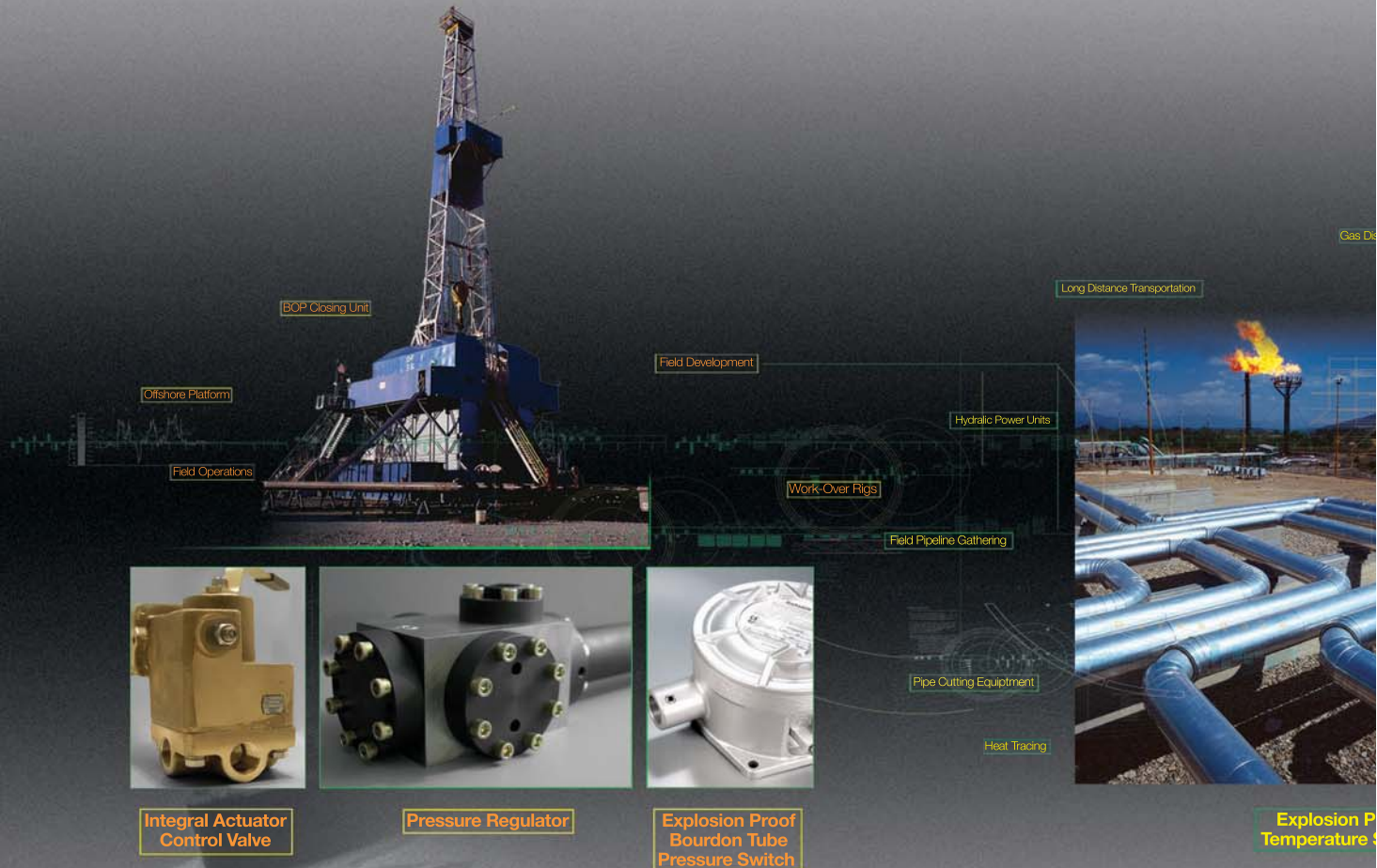


## Upstream

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 for original equipment manufacturers products in gas distribution infrastructure, pipe cutting equipment, hydraulic power units, heat tracing equipment, compressors and



# Engineered to Excel

Barksdale's products  
meet every challenge



ent provider to major oil & gas  
urers. You can find Barksdale  
nstrumentation equipment, pipe  
power units, oil and gas tankers,  
pressor 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.

Hydraulic Relief Valve



Manufacturing



Cooling Station

Level Site



Hydraulic Power Unit



Compact Explosion Proof Pressure Switch



Solid State Pressure Switch



Explosion Proof Transducer

Safety Shutdown Systems

Reservoir Tanks

Explosion Proof Pressure Switch



# Solutions

## Barksdale

## State-of-the-art solutions

### Shear-Seal® Directional Control Valve

#### Low Pressure Air Valve

1/4" to 1/2"  
Easy Panel Mounting  
Multiple Flow Patterns  
Spring Return



#### Hydraulic Relief Valve

Set Pressures up to 6,000 psi  
3/4" Ports  
High Flow Capacity  
Corrosion Resistant Materials



#### Heavy Duty Control Valve

1/4" to 1 1/2"  
Selector, Shut-Off, Bypass, Open  
Center, Manipulator  
High Velocity Flow  
Tolerates Contaminates



#### Integral Actuator Control Valve

Integrated Actuator  
1/4" to 1"  
2-Position & 3-Position  
Corrosion Resistant Materials



#### Pressure Regulator

1/2" & 3/4" Full Flow  
Self Adjusting  
High Flow Capacity  
Manual Set or Fail-Safe Motor Control



#### High Pressure Valve

Pressures to 15,000 psi  
1/4" to 1"  
Stainless Steel Construction  
High Velocity Flow



### Explosion Proof Pressure Switch

#### Bourdon Tube Pressure Switch

Adjustable Ranges: 50... 7200 psi  
UL/CSA or ATEX Listed; Class 1 Div 1  
Single or Dual Settings - (SPDT)  
Stainless Steel Sensing Element  
18,000 psi Proof Pressure



#### Diaphragm Pressure Switch

Adjustable Ranges: 30" Hg vac... 150 psi  
UL/CSA or ATEX Listed; Class 1 Div 1  
Single or Dual Settings - (SPDT)  
Stainless Steel Sensing Element



#### Compact Pressure Switch

Adjustable Range: 30" Hg vac ...  
7500 psi  
UL/CSA or ATEX Listed; Class 1 Div 1  
Single Setting (SPDT) or (DPDT)  
High Proof Pressure  
Compact, Rugged, Stainless Steel



#### Dia-Seal Pressure Switch

Adjustable Ranges: 1... 1600 psi  
UL/CSA Listed; Class 1 Div 2  
Single Setting - (SPDT)  
Extremely Long Life



## Pressure Transducer

### Explosion Proof Transducer

Rugged Stainless Steel Construction  
Superior EMI, ESD and RFI Protection  
Diffused Silicon Sensor for High Accuracy  
Up to 10,000 PSI (0-680 bar)

### Industrial Transducer

Stainless Steel Construction  
Superior EMI, ESD and RFI Protection  
Diffused Silicon Sensor for High Accuracy  
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 of Switching AC or DC Loads  
High Accuracy with Adjustable Deadband

### 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 of Switching AC or DC Loads

## Level

### Level Indicating System

Continuous Output Transmitter (4-20 mA)  
Stainless Steel Construction  
Magnetic Reed Switch Configuration  
Available in Flange or NPT Mountings

### Level Site

Rugged, Welded Stainless Steel Construction  
Float Available in Stainless Steel or Titanium  
Available in either Mini Level (1.5" diameter) or Standard Level (2" diameter)  
Furnished with Highly Visible Flag Assembly

## Temperature Switch

### Explosion Proof Local Mount Temperature Switch

Local or Ambient Sensing  
UL, CSA, ATEX & CE Approved  
Single or Dual Set Point Option  
Switch, Measure & Control  
Temperatures Ranges from 50° to 450°F (-66° to 232°C)

### Industrial Temperature Switch

Ambient Compensated  
UL, CSA & CE Approved  
Single or Dual Set Points Available  
Switch, Measure & Control  
Temperature  
Ranges from -50° to 600°F (-45° to 316°C)



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