

Oil and Gas Solutions

Engineered control and monitoring instrumentation for applications in the harshest environment



Control Every Move

Engineered to Excel

...irrespective of environment

Barksdale's Shear-Seal® valve design has set the standard in the Oil & Gas industry. Engineered for durability and virtually leak-free performance, our valves use fluid pressure to maintain a superior metal-to-metal seal that improves with use.

With a self-lapping action that prevents contamination, our valves provide consistent control throughout their lifespan. Our customers trust Barksdale Shear-Seal® technology for its proven performance in demanding environments.

Barksdale Shear-Seal® Technology



Our customers rely on genuine Barksdale Shear-Seal® technology with a proven track record of performance in the most demanding situations.

- ▶ Reliable & safe function by virtually leak free performance
- ▶ Fast system response in combination with high flow valves
- ▶ Long life time by robust design and hardened metal to metal sealing



Control the complete Oil and Gas Process Flow



Upstream

Drilling & Exploration
Off- & Onshore



Midstream

Storage
& Transportation



Downstream

Production
& Refinery

Barksdale offers a complete line of pressure, level, temperature switches, pressure transducers and electronic control instrumentation to meet customers' requirements across the Oil and Gas value chain.

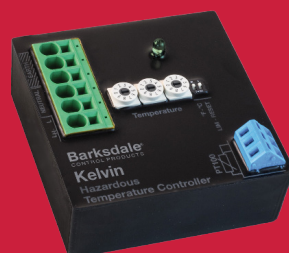
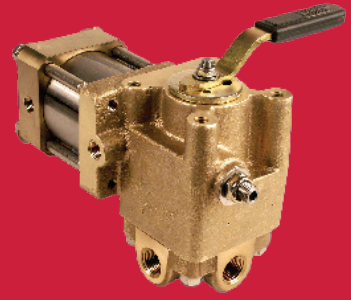
DYNALCO®

Instruments and Controls

In the 55 years since its founding, Dynalco has become a worldwide industry leader, recognized for its high-quality instruments and controls. Dynalco products are engineered for accurate speed sensing, counting, timing, and proximity detection, ensuring dependable performance in even the harshest environments.

Monitor and control with:

- ▶ Magnetic Pickups
- ▶ Speed Switches and Transmitters
- ▶ Tachometers and Hourmeters
- ▶ Universal Monitors



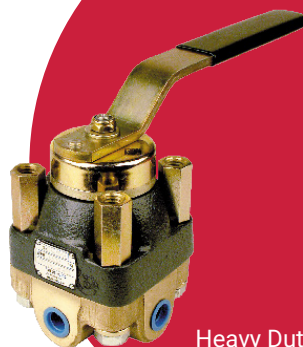
Valves

Valves

Features

- ▶ Heavy duty shear seal valves for BOP control units
- ▶ Original Shear-Seal® technology
- ▶ Corrosion resistant materials
- ▶ Pressure up to 1034 bar (15000 psi)
- ▶ Reliable air or hydraulic integrated rack and pinion pilot actuator
- ▶ 2 & 3 position valves
- ▶ Position indication
- ▶ 1/4", 3/8", 1/2", 3/4", 1", & 1-1/2" NPT Standard ports (SAE J1926 Option)
- ▶ Superior shifting performance

High Pressure Valve
Series 4140

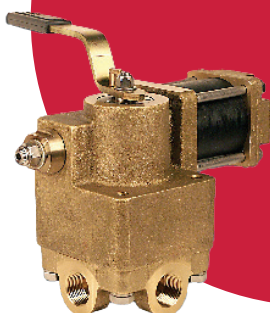


Heavy Duty Valves
Series 140 ,200, 920, 5620

Actuated Heavy Duty Valves
Series III-L



Heavy Duty Valves
Series II



Pressure Relief Valve
Serie 8020

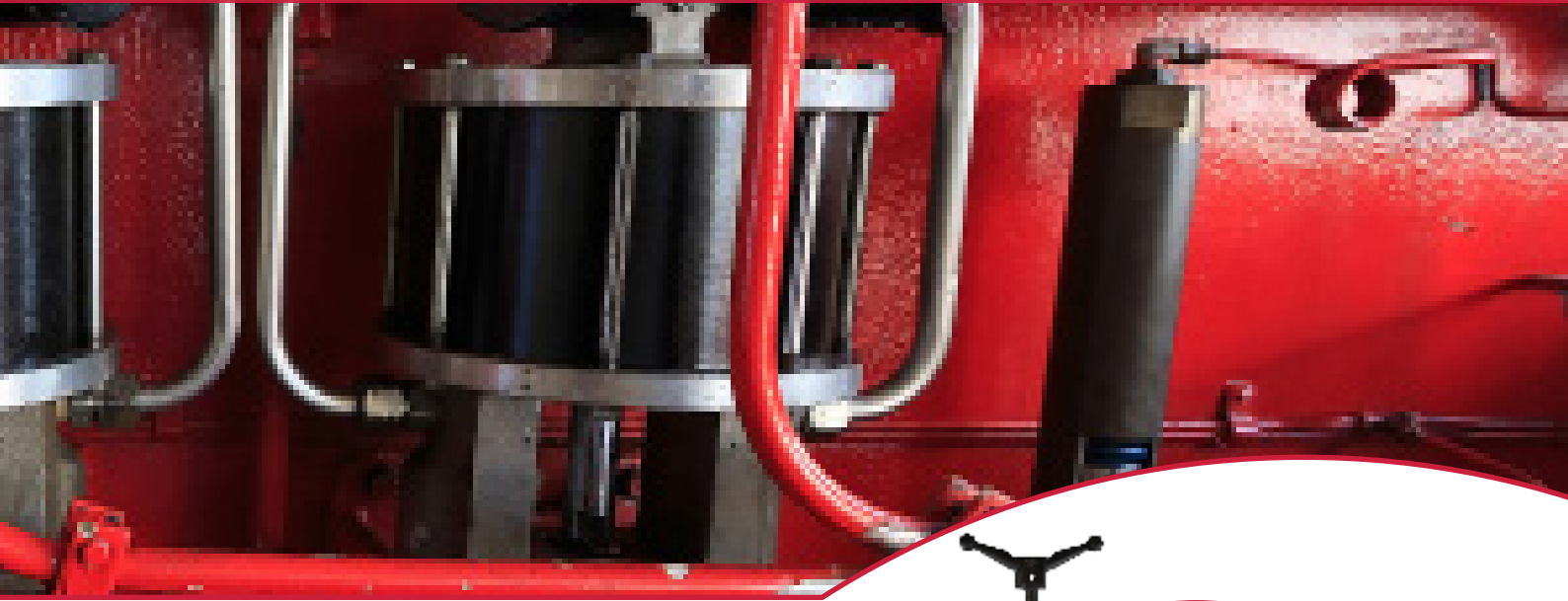


Pressure Relief Valve

Features

- ▶ Ultra high flow
- ▶ Extended seat life
- ▶ Factory pre-set or field adjustable
- ▶ Optional tamper-proof cap
- ▶ Stainless steel internals
- ▶ Metal-to-metal seal

Regulators



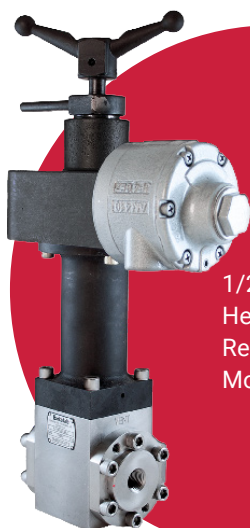
Regulators

Features

- ▶ Heavy duty shear seal regulators for BOP control units
- ▶ Original Shear-Seal® technology
- ▶ Corrosion resistant materials
- ▶ Supply pressures up to 345 bar (5000 psi)
- ▶ Control pressures up to 228 bar (3300 psi)
- ▶ Self adjusting
- ▶ High flow capacity up to Cv 17.5
- ▶ Up to 1-1/2" NPT Standard outlet ports (SAE J1926 Option)
- ▶ Tolerates contaminated media
- ▶ Fail-safe motor control options
- ▶ Self venting



1" Pressure Regulator
Series 20415



1/2" NPT
Heavy Duty
Regulator
Model 20313



1" Land Pressure Regulator
Series L20415

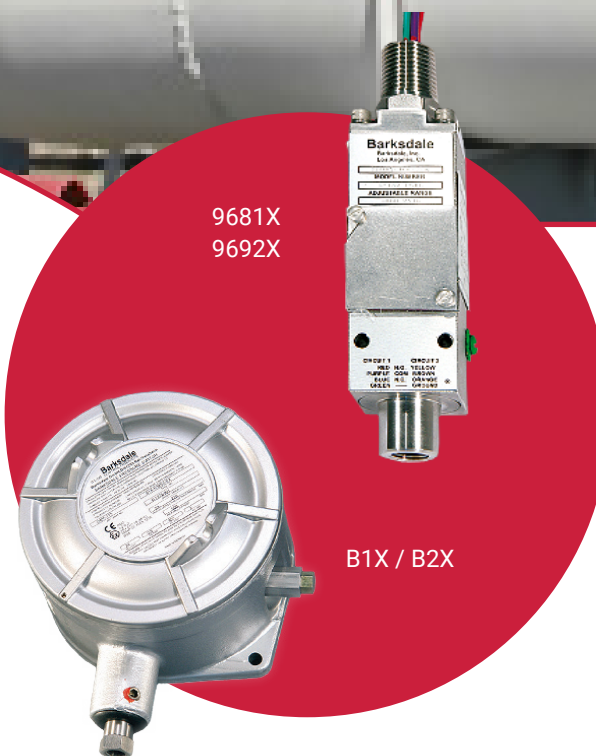
Pressure



Pressure Switches

Features

- ▶ Adjustable ranges: vacuum up to 690 bar
- ▶ High proof pressure: up to 1035 bar
- ▶ Compact, Bourdon Tube, Diaphragm or Piston-Pressure Switches
- ▶ Approved models available:
 - ATEX / IECEx
 - Suitable for SIL2/3 (IEC 61508) acceptance
 - NACE conformance



Pressure Transmitters

Features

- ▶ Lightweight, compact and all-welded rugged stainless steel construction
- ▶ High performance sensors
- ▶ HART® communication protocol optional
- ▶ Pressure ranges from Vacuum to 1400 bar
- ▶ Operating temperatures from -40 °C to 100 °C
- ▶ IP66, IP67
- ▶ High accuracy: +/- 0,1% and +/- 0,25 % FSO
- ▶ Approved models available:
 - cULus, ATEX, IECEx, CSA, Single Seal certifications
- ▶ RoHS / REACH Compliant

Level & Temperature



Level

Features

- ▶ Continuous level indication, purely mechanical, no power needed
- ▶ Temperatures up to 320 °C
- ▶ Pressure up to 250 bar
- ▶ Stainless steel versions
- ▶ Mounting tank side or from top to down
- ▶ Max. Measuring length: 5700 mm (one piece)
- ▶ Available with accessories
 - Transmitter 4 – 20 mA
 - Interface
 - Bi-stable reed switch usable as a point level switch
- ▶ Approved models available:
 - ATEX: Ex c (and Ex i for mountable limit switch GK03 and transmitter accessories)
 - EX d coming soon
 - UL (for GK03)

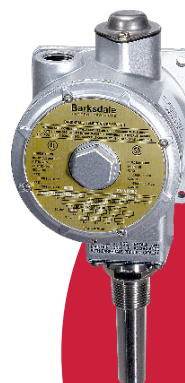


LevelSite®

Temperature Switches

Features

- ▶ Adjustment ranges: -45 °C ...+316 °C
- ▶ Single and dual switches with remote or capillary
- ▶ Protection class: IP65, NEMA 4 / 7 / 9
- ▶ Approved models available:
 - UL and CSA
 - ATEX
 - Suitable for SIL2/3 (IEC 61508) acceptance



L1X / L2X



T1X/T2X

Electronic Thermostat

Features

- ▶ Multi-function controller/limiter
- ▶ Hazardous Europe ATEX/IECEX approved for zone 1 and 2
- ▶ Designed for Class 1 Division 2
- ▶ Temperature setpoint adjustable via rotary switches or optional via bluetooth® app.
- ▶ Remote access via Modbus
- ▶ Alarm-relay optional

Electronic
Thermostat
Kelvin



Leverage our Engineering Expertise to Make Exactly What You Need

Customize Products for Your Project

Barksdale offers more than 50 product families and millions of configured options to measure, monitor and control processes essential to the industrial, power and transportation markets. We can make basic modifications to these standard products and options to ensure they are exactly matched to the project requirements. Control Every Move.



Visit [Barksdale.com](https://www.barksdale.com) to view our complete product portfolio.



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