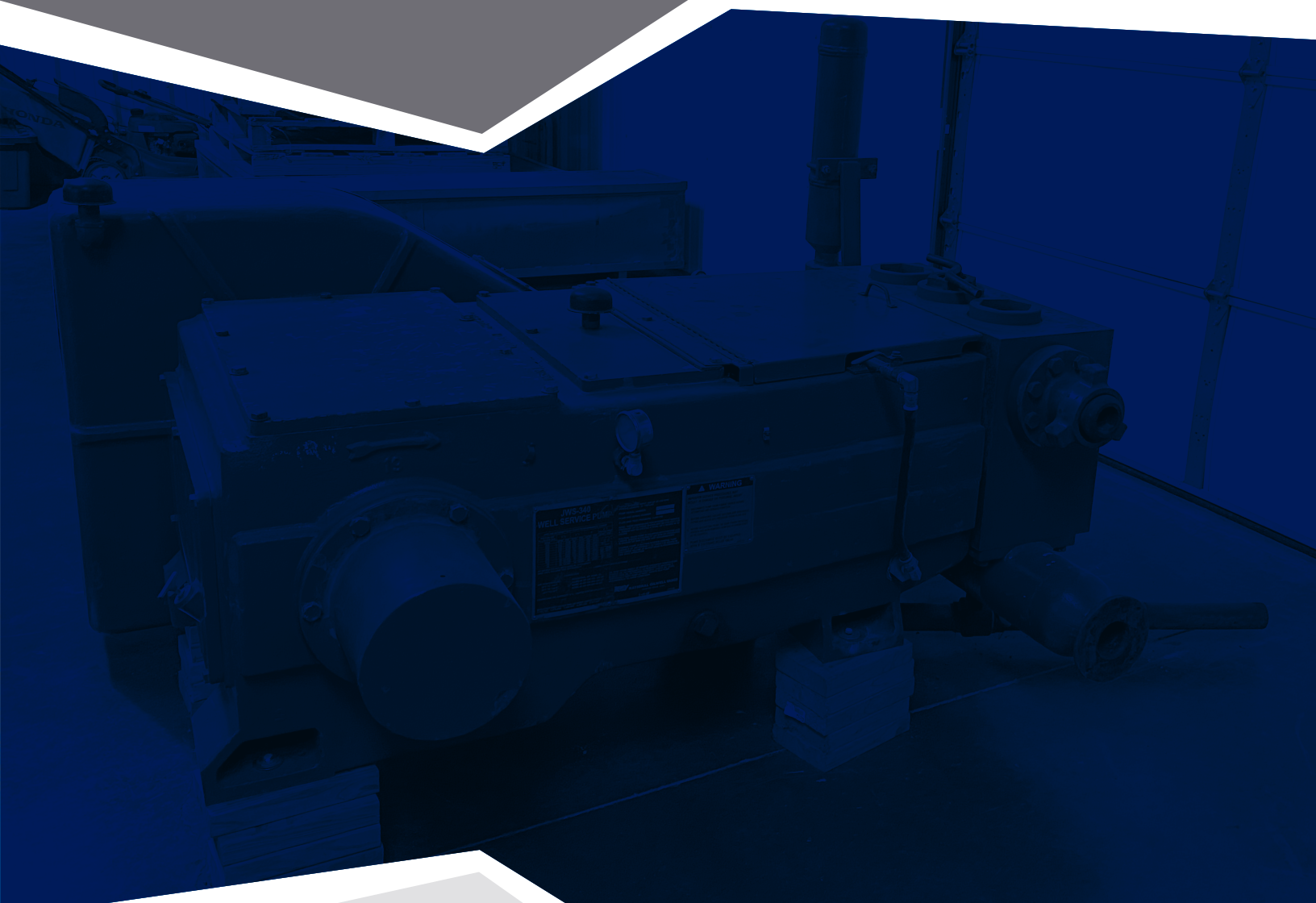


# WELL SERVICE EQUIPMENT



  
**PREMIUM**<sup>™</sup>  
Oilfield Technologies

Premium Oilfield Technologies has been supplying high quality products, worldwide, to the oil and gas industry since 2003. Our extensive line of trusted well service products are interchangeable and performance enhancing for longer life.



## ACCESSIBILITY

Premium has worldwide locations and operations in all of the U.S. major shale plays. Our geographic positioning allows us to directly and quickly supply our products to customers.

## CONVENIENCE

We take convenience to the next level with our managed rig site inventory and consignment service. Technical sales representatives visit customers on a regular basis, ensuring that needs are being met and equipment is running smoothly.

## INNOVATION

Our team of experienced engineers are constantly looking for ways to improve existing products. We have developed a full line of performance enhancing technologies to save time and money.

NO  
TIME  
FOR  
DOWNTIME







# CONTENTS

## PUMP EXPENDABLES

Valves and Seats	4
Plungers, Plunger Packing & Stuffing Boxes	4
Rubber Replaceable Pistons	5
Liners	5

## PARTS AND EQUIPMENT

Power Swivels	6
Patriot Test Cups	6
Butterfly Valves	7
Centrifugal Pumps	7
Plug Valves	8
Shaker Screens	9
Services	10

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# Pump Expendables



## VALVES AND SEATS

Caliber® valves and seats are designed for multiple drilling conditions and various configurations, with the goal of increasing service life. Our single piece forged design and high-quality hardened steel create a very stable and robust valve/seat combination. We stock a wide variety of designs and can manufacture an assortment of standard service valves and seats to meet any need.



## PLUNGERS, PLUNGER PACKING AND STUFFING BOXES

Premium Oilfield Technologies offers a wide range of plungers, stuffing boxes and plunger packings for plunger pumps. Our plungers are available with a chrome or ceramic coating depending on your application. We carry various styles of plunger packing to fit your particular setup (1067, 838 and more).



## RUBBER REPLACEABLE PISTONS

Premium Oilfield Technologies carries a replaceable rubber piston, which can extend the life of the piston's metal hub. Our proprietary blend of rubber and fabric used in the replaceable rubber piston resists the pinching and extrusion that commonly occurs in the heel of the piston. The use of synthetic fabric eliminates the loss of heel strength caused by water absorption, allowing the piston to achieve a higher level of performance compared to competing designs.

### FEATURES INCLUDE:

- ◆ Available for single and double-acting pump designs
- ◆ Replaceable piston rubber reduces operating expense
- ◆ Suitable for water and some synthetic based drilling muds
- ◆ Synthetic fabric yields a stronger, denser and stiffer heel for superior performance
- ◆ Available in type "A", "B", "K" and "L" configurations



## LINERS

We provide liners for all brands of mud pumps including; but not limited to, Oilwell, National, Gardner Denver, Lewco, Ideco, Emsco, Bomco, Drillmec and Wirth. Liners are available in two styles: chrome-iron liners for standard service and zirconia-ceramic liners for long lasting performance in situations where normal liner change frequencies are too costly. We offer a variety of sizes in-stock for every need.





# Parts and Equipment

## LOGAN Power Swivel

### POWER SWIVELS

Logan power swivels offer smooth performance with shock-free torque, dependability and low maintenance. They are ideally suited for use in fishing and workover operations as well as coring operations. Logan power swivels reduce stops and start-ups, improving rig efficiency and reducing wear on the pump, drawworks and other rig equipment. They are low maintenance and easy to service.



PS85



PS120



VTS100

## PATRIOT™

### TYPE F TEST CUPS

The Patriot™ type F test cup is made from our proprietary high performance urethane, providing greater service life and durability. Patriot urethane is 3-4 times stronger than nitrile rubber.

#### FEATURES INCLUDE:

- ◆ Operating pressures up to 15,000 psi
- ◆ Excellent resistance to oil based mud
- ◆ Operating temperatures up to 220°F
- ◆ Custom fittings for any size and casing weight
- ◆ Complete cup tester assemblies available





## BUTTERFLY VALVES

Premium Oilfield Technologies offers the most durable and resilient butterfly valves available. The simple and compact construction makes them ideal for many applications.

### FEATURES INCLUDE:

- ◆ 10 position handle (DD connection)
- ◆ FBE coating to inhibit corrosion
- ◆ P.T.F.E. stem bushings to reduce torque requirements and isolate stem for longer life
- ◆ Matching flanges: ANSI B16.1, EN 1092-2



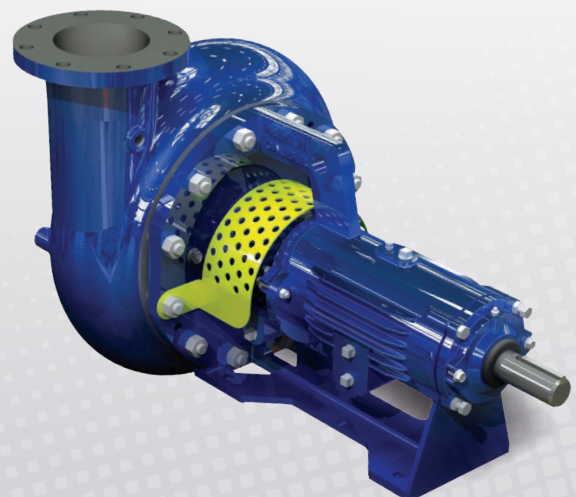
## CENTRIFUGAL PUMPS

Premium's Caliber® centrifugal pumps incorporate field proven designs and updated technology to extend service life and reduce downtime during drilling operations.

### FEATURES INCLUDE:

- ◆ Cooling fins added to frame help disperse heat and extend bearing and packing life
- ◆ Optional retaining ring to secure inboard bearing
- ◆ Open impeller design to maximize flow
- ◆ Concentric casing design minimizes turbulence
- ◆ Replaceable shaft sleeve to absorb wear and extend shaft life
- ◆ Long life mechanical seals

# CALIBER®



# Plug Valves

Premium Oilfield Technologies low-torque plug valves are built from high-strength forged alloy steel bodies to meet and exceed the industry's toughest requirements in high pressure and erosive service conditions. Our plug valves are suitable for a variety of high pressure applications – fracturing, cementing, acidizing and more. Plug valves have bottom entry design for easy access and are interchangeable with most major designs.

## FEATURES INCLUDE:

- ◆ Available in 1502 connections in these sizes: 2" x 1", 2" x 2", 3" x 3"
- ◆ Rugged construction with forged alloy steel body
- ◆ Rated for 15,000 psi and tested at 22,500 psi





# Shaker Screens

Patriot™ replacement screens for shale shakers combine high quality mesh combinations with a proprietary adhesive compound that results in extended screen life. Patriot screens are made in the USA at our Oklahoma City manufacturing plant. All screens are engineered to meet exact design specifications of the manufacturer's shale shaker and are available in a variety of configurations.

## FEATURES INCLUDE (VARY BY MODEL):

- ◆ High quality, cold-rolled steel for less flex
- ◆ Frame, pre-tensioned and metal back hook strip types
- ◆ Two gasket compounds for varying service conditions
- ◆ Variety of weights and sizes available

# **PATRIOT™**

NOV Brandt®  
National®  
M-I SWACO®  
Fluid System®

DFE  
SWACO®  
Double Life®  
Derrick®

We manufacture a complete line of replacement screens for the above as well as custom shakers.





# Services

Premium Oilfield Technologies provides a team of highly trained experts to aid customers in selecting the right parts for their specific drilling environments and equipment needs - mud pumps, top drives, MPD/RCD, solids control, handling tools and more. Our field technicians are equipped to perform all types of pump and valve maintenance; including but not limited to, pump alignment, periodic maintenance and equipment change-outs.

## CONSIGNMENT BOX PROGRAM

We offer a reliable consignment box program that reduces downtime for our customers and ensures that our inventory is where you need it, when you need it, 24/7/365. Each location has a customized consignment box stocking plan and dedicated service technicians who visit the rigs several times per month. Premium technicians manage inventory and restock consignment boxes, invoicing only for what the customer has used.

## LASER ALIGNMENT

Premium leads the industry in technology for precise alignment of mud pump and fluid end sections. We use a specially designed laser system for determining alignment. This method is far superior and more accurate than the traditional method of using uncalibrated wooden rods. Proper alignment of the pump's crosshead to the fluid end liner is a requirement for maximizing piston and liner life. Our laser alignment inspection system takes the guesswork out of the alignment process by providing results indicating horizontal and vertical offset as well as angular misalignment - down to 0.0001".

## TESTING / SAFETY INSPECTIONS

All equipment and parts are inspected 100% per engineering drawings. Premium supports a strict Quality Control department to maintain micrometers, hardness testing equipment and pressure testing equipment. Job routers are strictly followed for each part to deliver consistent quality.



**Premium Oilfield  
Technologies**  
Q1-3977





## Since 2003, Premium Oilfield Technologies has been supplying quality products to the oil and gas industry.

Our core focus is to provide performance enhancing solutions that meet the strictest safety standards. We have developed, tested, and enhanced mud pump components, top drives, mud valves, RCD/MPD systems, shaker screens, power swivels, plunger pumps and other drilling products that decrease downtime, improve safety, and perform in the toughest well service/workover drilling environments.

Premium Oilfield Technologies has worldwide locations and operations in all of the U.S. major shale plays. Our field locations boast a crew of experienced technical sales representatives that visit each location several times per month. Geographic positioning allows us to directly supply our products to more than 500 drilling locations every day.

- ◆ Industry standard, fully interchangeable parts and systems
- ◆ Performance-enhancing hammerless technology
- ◆ Time saving safety enhancements
- ◆ Field-based location technical support
- ◆ Managed location inventory 24/7/365
- ◆ Strict onsite testing and quality assurance



## CORPORATE

### **Premium Oilfield Technologies - USA**

10600 W. Sam Houston Pkwy. North  
Houston, TX 77064  
T: +1 281.670.5200

## USA MANUFACTURING & REPAIR

### *Patriot and Urethane*

10600 W. Sam Houston Pkwy. North  
Houston, TX 77064  
T: +1 281.670.5228

### *Premium Drilling Equipment and Support*

9841 Windmill Park Ln.  
Houston, TX 77064  
T: +1 281.670.5200

### *Well Service Solutions and Equipment*

2904 SCR 1250  
Midland, TX 79706  
T: +1 432.563.2338

### *West Texas Operations - All Divisions*

10207 West Industrial Ave.  
Midland, TX 79706  
T: +1 432.332.3651

### *Patriot Screens*

4602 S. MacArthur Blvd.  
Oklahoma City, OK 73179  
T: +1 405.470.6553

## NORTH AMERICA FIELD SALES, SERVICES AND REPAIR OFFICES

California / Colorado / Louisiana / New Mexico / North Dakota / Oklahoma / Pennsylvania / Texas / Utah  
Wyoming / Leduc, Alberta

## INTERNATIONAL

### **KUWAIT**

#### **Premium Oilfield Technologies**

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Yarmouk, Kuwait  
72658  
T: +965 99679126  
T: +965 66022296

### **UAE**

#### **Premium Oilfield Technologies Trading LLC**

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Dubai, UAE  
T: +971 55 889 7210  
T: +971 56 986 3834

### **UAE**

#### **Premium Drilling Equipment and Support Middle East**

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P.O. Box 262263  
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T: +971 4 889 4897  
T: +971 50 658 7570

### **INDIA**

#### **PMR Mud Riggers India Private Limited**

21/17, D-1 Block, MIDC  
Chinchwad, Pune MH 411019  
India

### **SAUDI ARABIA**

#### **Premium Mud Pumps Trading Est.**

P.O. Box 956  
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Postal Code: 31951  
T: +966 50 0157516



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