



# FOR ALL YOUR HYDRAULIC REQUIREMENTS



TRUCK | MOBILE



# INTRODUCTION

**Since 1992, BSP Hydraulics have built up and maintained an outstanding reputation for being one of the most accomplished hydraulic distribution companies in the United Kingdom.**

Specialising in supplying and servicing equipment into the truck, mobile and industrial sectors, we have developed a wealth of technical expertise and we pride ourselves on offering a fast, efficient and reliable service. Our core value is customer satisfaction; therefore, we aim for symbiosis with both customers and suppliers in order to provide a totally customer focused service.

Our premises hold a comprehensive stock of products and spare parts, keeping us at the forefront of the hydraulic market and permitting a swift and proficient turnaround. We are equipped to provide high quality products which are both competitively priced and quickly delivered.

We have in-house and on-site hydraulic repair and service capabilities for our full range of hydraulic components. Our expert team hold a combined experience of over 100 years in repairing hydraulic products and are always on hand to fulfil your needs.

BSP Hydraulics Ltd are in premier partnership with Parker Hannifin and Hydro Leduc, two of the world's leading manufacturers in motion and control equipment. Both offering a wide product portfolio, and we support this with our substantial product and application knowledge.

This brochure showcases a selection of our products that we supply. We also hold large stocks of additional products of other manufacturers across an extensive range. For our full range please visit our website.

For further details or to discuss your hydraulic requirements, please contact our sales team or visit our user-friendly website.

## WHY CHOOSE BSP?

- Excellent Technical Support
- Large Stock Holdings
- Market Leading Products

### Matching service

At BSP Hydraulics, we recognise the challenges you face when a crucial hydraulic component is outdated, discontinued, or unidentifiable so our Matching Service is dedicated to finding you replacements that either perfectly match your original parts or provide suitable alternatives that meet or exceed the original specifications, ensuring your machinery's peak performance.

### How does it work? Let's walk through our straightforward process:

The identification process relies on the use of photographs and measurements or in-person analysis of a part that is sent to us.

**Assessment:** We start by examining the hydraulic part you need to replace, gathering all necessary specifications and operational requirements. Using both visual and technical analysis, our team ensures every detail is considered to find the best match.

**Search and Match:** Leveraging our vast network of suppliers and comprehensive inventory, we find either an identical replacement or the closest match that ensures compatibility and enhanced functionality. This process involves comparing your part against thousands of stored configurations to find the one that aligns perfectly with your needs.

In cases where the part is no longer manufactured, we will attempt to find an alternative unit that will meet or exceed the original specifications.



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[www.bsphydraulics.co.uk](http://www.bsphydraulics.co.uk)





# PUMPS

## Fixed Pumps

We stock and supply a large range of Parker Hannifin fixed displacement pumps, including:

- F1
- F11
- F12



## Parker Twin Flow

- F2



## Parker Variable Pumps

- VP1 45 TO 130 pumps



## Hydro Leduc Fixed & Variable Piston Pumps

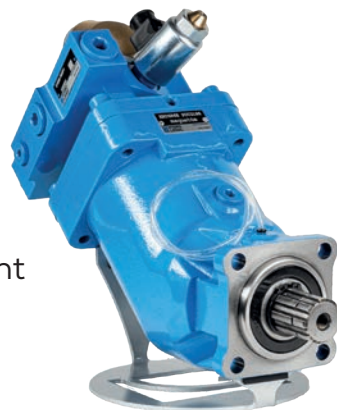
### XPI Series:

- 10 Models available
- 7 Pistons design
- from 12 to 130 cc
- 380 bar continuous working pressure
- 420 bar peak pressure
- Maximum speed from 1750 to 3150 rpm



### Hydro Leduc Twin Flow

- Available in 68/68 displacement



### TXV Series:

- 11 Models available
- 11 Pistons design ensuring low noise level
- They self-regulate to give the flow required for each movement
- Maximum displacement of 40 to 150 cc/rev
- Maximum pressure is up 420 bar depending on model

# GEAR PUMPS

## Single Gear Pumps

BSP Hydraulics proudly supplies the Kazel gear pump range, a versatile range of hydraulic pumps designed for durability and performance across a wide range of applications.

DP series, a single 3 bolt design is available in 9 displacements ranging from 17 cc to 80 cc

DPA series, a single 4 bolt design is available in displacements ranging from 17 cc to 110 cc



## Tandem Gear Pumps

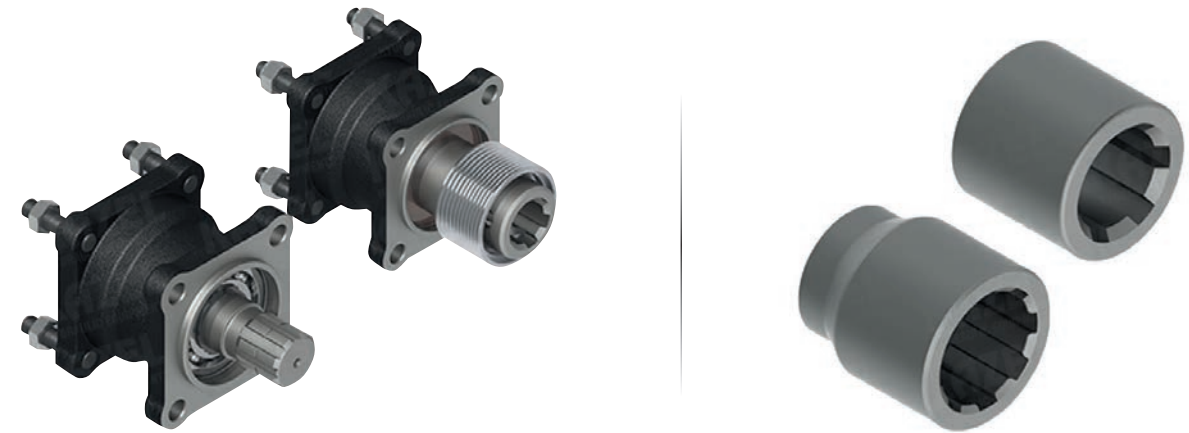
The Kazel TDM Series from BSP Hydraulics is designed to meet the demanding hydraulic needs of light and medium-duty truck operators. These tandem gear pumps are engineered with strength, efficiency, and reliability in mind.

Available in displacements ranging from 43/43 cc to 87/87 cc



## Adapters

In addition to complete units, BSP also supplies a full range of spare parts and adapters to keep your system running with minimal downtime.





# PARKER DENISON

As one of the UK's leading suppliers for Parker Hannifin and the UK's first certified Parker Denison Build Centre back in 2016, we're proud to offer the full range of products as Parker Denison suppliers. Our expert team have years of experience in building and refurbishing Denison Hydraulics.

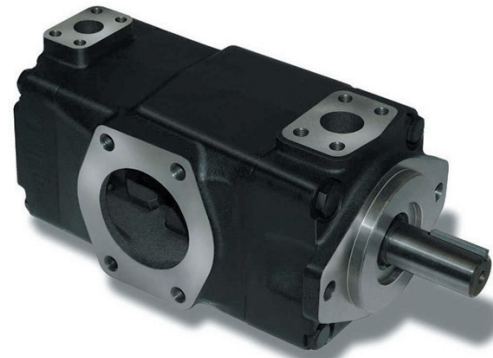
We offer the full Parker Denison range, including T6, T7, Goldcups, Calzoni, Denison motors, valves and a variety of spare parts.



Unloading Valve



Vane Pump - T6/T7



Calzoni



CETOP Valve



Gold Cup



Spares

# PARKER MOTORS



## Axial Piston Motors/Pumps

- Parker F11/F12
- High overall efficiency
- Pressure ranges up to 480 bar
- Easy to service

## Torque Motors

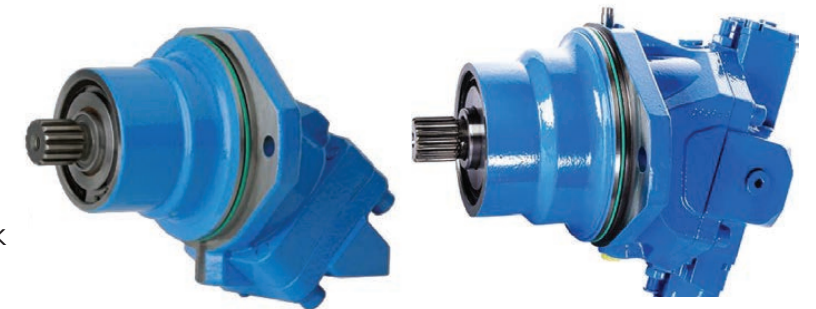
Our range of Parker Torque Motors are suitable for a variety of applications, whether these are light, medium or heavy duty. For more information on the Torque motor series that we offer please take a look at our website.



# HYDRO LEDUC MOTORS

## Variable Displacement Motor:

- 9 Piston design
- Working ratio of 5:1
- Suitable for working pressures up to 400 bar continuous and 450 bar peak
- 3 choices of displacement control



## Drainless Motor:

- No drainline needed
- Max pressure on the return line: 25 bar

## W Pump:

- Bent axis piston pump
- Displacements from 12 to 125cc

## M Motor:

- Displacements from 5 to 180cc



# POWER TAKE OFF



## Parker Chelsea PTO Units

We are the main stockists and service agents of Parker Chelsea PTOs (Power Take Off). We can supply new units from stock, together with spare parts such as shafts, gears, seal kits and actuators.



BSP Hydraulics Ltd are a UK stockists and Distributors for the Bezares range of hydraulic and auxiliary equipment. This incorporates PTO's (Power Take Offs), hydraulic pumps, power packs, hydraulic tanks, control valves and complete systems. The PTO range covers all major truck and gearbox ranges.



# VALVES



## Hy-Pro Valves

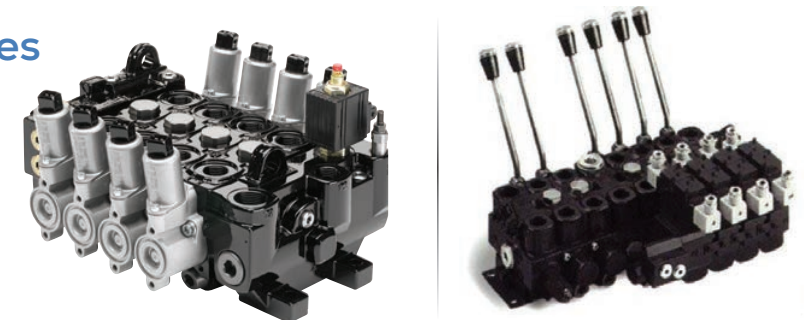
BSP supplies the full range Hy-Pro hydraulic valves. The Hy-Pro range produces three ranges of modular valves, that are robust sectional valves, with manual, cable, electric and pneumatic options.

They also have a selection of line-mounted valves, including check valves, diverter valves, flow control valves, relief valves and shut off valves.



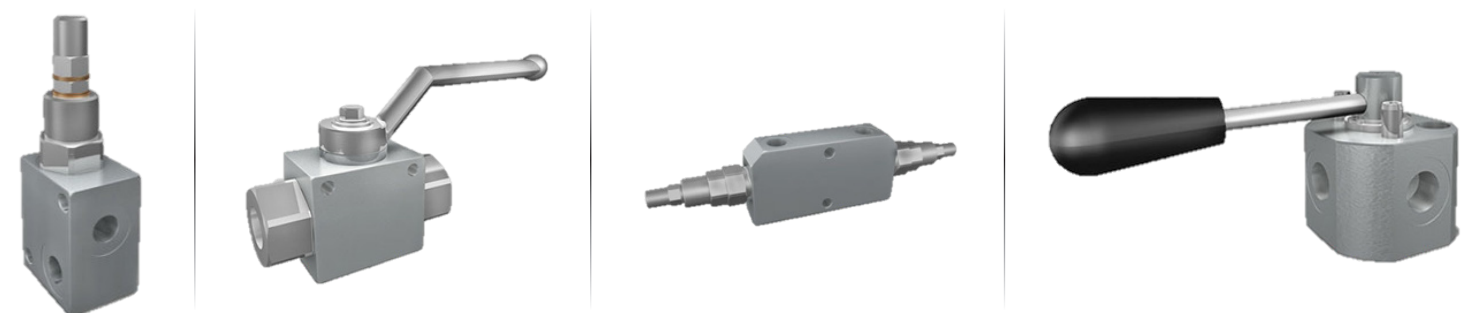
## Parker Directional Control Valves

- Section built valve
- A series of spool controls
- Flow ranges up to 150 l/min



## Auxiliary Valves

We offer a range of auxiliary valves, including relief valves, check valves, diverter valves, overcentre valves, flow control valves, dump valves and shut of valves.





# TANKS

## Hydraulic Tanks & Wet Kits

We offer a wide range of hydraulic tanks for a variety of applications. These are available in side mount or rear mount options in steel or aluminium complete with brackets and straps.

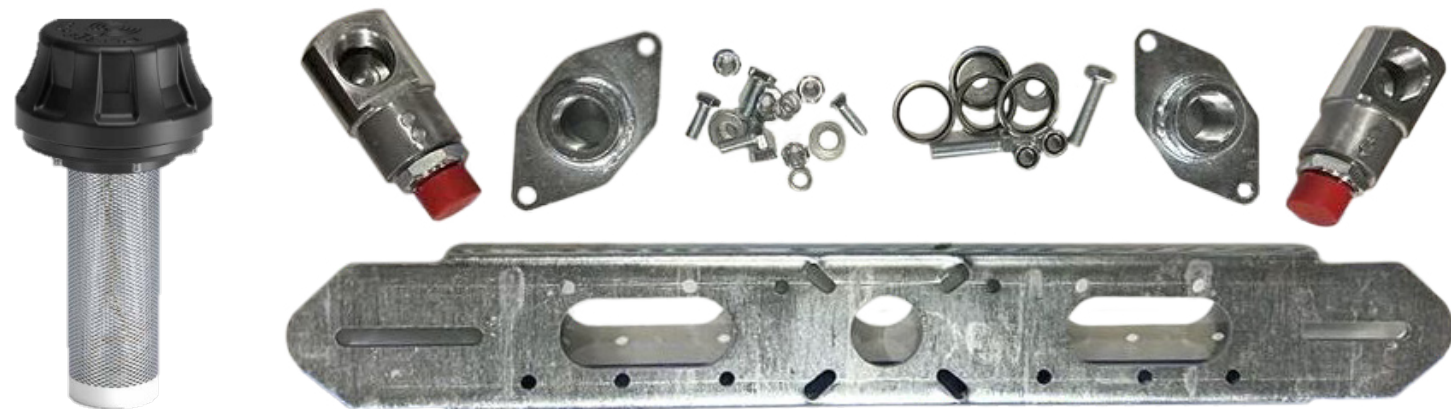
Capacities from 25L to 300L+. Other options of narrow design, side and rear tanks are available.



Complete hydraulic wet kits are available for bulk tippers, walking floors, ejector trailers, forestry cranes, lorry loaders and many more applications.

## Tank Accessories

We supply a range of tank accessories, including rotation coupling kits, sight gauges, tank mounting pads, filler breathers and much more.



# FILTERS

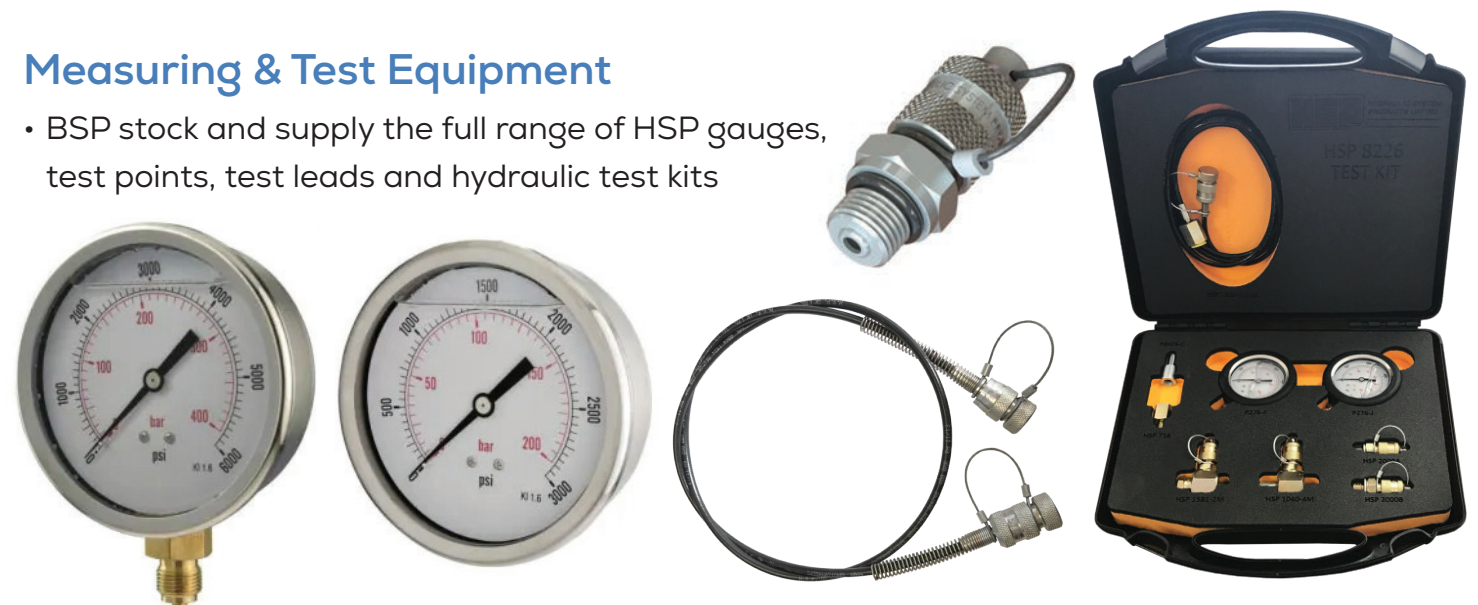
## Filters

- Various mounting configurations • Various port options • High capacity/high efficiency
- Visual and electrical indicators with several connector styles



## Measuring & Test Equipment

- BSP stock and supply the full range of HSP gauges, test points, test leads and hydraulic test kits





# ACCUMULATORS

## Accumulator Range

We offer the full range of Hydro Leduc Accumulators; these include Bladder, Diaphragm, Piston, Spherical and Cylindrical accumulators. All of which offer:

- Capacity from 0.02 to 50 litres
- Working pressure up to 500 bar
- Accessories for use with hydraulic motors

Please contact us for full details.



### Piston Accumulators:

- APL 250 bar
- Maximum pressure: 250 bar
  - Extreme operating temperature:
  - Standard version:  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$

### Bladder Accumulator:

- ABVE 330 bar
- Maximum pressure: 330 bar
  - ABVE 4 maximum pressure: 350 bar
  - Extreme operating temperature:
  - Standard version:  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$



### Spherical Accumulator:

- AS 400 bar
- Maximum pressure: 400 bar
  - Extreme operating temperature:
  - Standard version:  $-20^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
  - Low temperature version:  $-40^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$



## Safety Unloading Blocks



# COOLERS

We offer the full range of Parker Coolers. Including the LDC series which offers reliable and efficient cooling solution. Also, the LOC series which has a three-phase AC motor which is optimised for use in the industrial sector.



# HYDRAULIC CYLINDERS

## Bespoke Cylinders

### Designed Around Your Application

Our experienced engineers take the time to understand your system requirements and operating environment. With just a few key questions, we'll design and deliver a bespoke hydraulic cylinder that fits your application perfectly.

### What We Offer:

- Custom-engineered hydraulic cylinders
- Short lead times
- Standard cylinders available from stock
- Competitive pricing
- Expert support from concept to completion

Whether you're replacing an existing unit or starting from scratch, BSP is your trusted partner for high-performance hydraulic solutions.

## Parker Hydraulic Cylinders

As well as our bespoke cylinder offering, we also offer the full range of Parker Cylinders, including medium and heavy duty. With proven reliability, efficiency, and quality.





# HYDRO LEDUC ELECTRIFICATION

## GEP7.3

A unique plug and play, low voltage power pack for continuous duty which offers an optimised weight of only 31KG and hydraulic pressure up to 330 bar. The unit is driven by a 14kW brushless motor, has an integrated converter with low voltage powerpack for 24V or 48V batteries.

### Electric Side:

- Analogic Control or CAN open

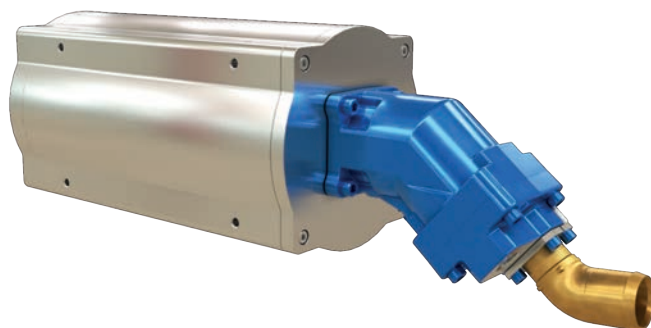


### Hydraulic Side:

- 7.3cc displacement
- 5 pistons up to 26 lpm



## ePTO



## XRE Series

This piston pump range is specially adapted for mounting on electric power take-offs. With displacements available from 25 to 80 cc.



# PARKER ELECTRIFICATION

## Electrical Control Systems

Parker Hannifin's Electrical Control Systems provide products and solutions for electronic systems in industrial and mobile vehicles. The range includes; mobile master controllers, displays, IQAN master display modules, mobile software and much more. This range helps to increase productivity, reduce production time and decrease downtime.



## SensoControl

The SensoControl® hand meters have been specially developed for the following applications:

- Measurement and display of all hydraulic values, such as pressure, differential pressure, pressure peaks, temperature and flow, as well as speed.
- They are perfectly suitable for the mobile recording of measured values and feature high precision combined with easy operation.
- All measuring devices as well as their accessories are manufactured and tested in our own plants. Our ever-increasing insistence on quality and flexibility make Parker a reliable partner.

SensoControl hand meters and complete measuring systems are perfectly suitable measuring tools for every application.

Whether they are used in the industrial area, in mobile hydraulics, for service or repair: measuring and processing of hydraulic values is the basis of safe trouble shooting.

The systematic search for errors with modern aids is something the service engineer simply cannot do without. High-speed processes, such as switching valves, cylinder strokes, pressure peaks, differential pressures and flow changes must be measured and evaluated simultaneously.





# DELTA ZERO



One of our new product ranges added in 2023 was our Oil & Diesel Filtration system. Our range offers a unique filtration cartridge which is capable of filtration down to 0.1 micron; removing varnish, particles, and water from operating oils and fuels. By using these systems, it is possible to reduce fluid contamination by well over 90%, which will help to extend fluid life, reduce downtime and maintenance and of course reduces the risk of premature equipment failure.

The smallest unit of the range has a compact and cost-effective design and is ideal for fluid below 1000 litres @ 0.5lpm @ 32cSt.



On the other hand, the largest unit of the range has capabilities to hold up to 72,000 litres @ 12.7lpm @ 32cSt, and up to 61,000 litres @ 9lpm @ 46cSt.



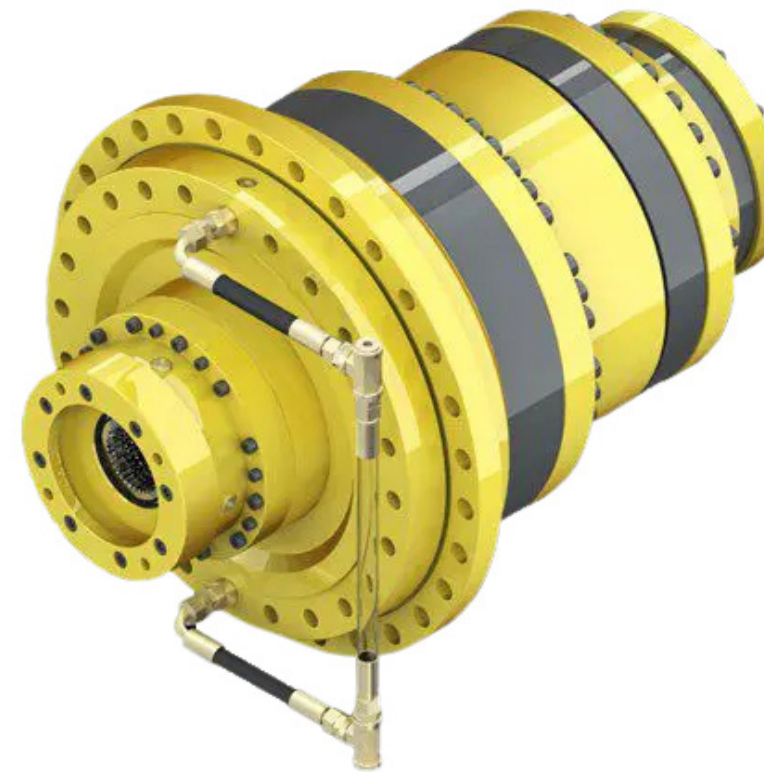
## Filters

The patented Delta-Xero cartridge is the reason that Delta-Xero filtration systems are so effective.



# GEARBOXES & WINCHES

Our range includes a variety of gearboxes & winches, including Planetary gearboxes, Slewing Drives & Winches. All our products are held to the highest industry standards and are adaptable for various applications including mobile, drilling, marine, mining and industrial and offer tailored solutions for reliable work.





# HOSE & FITTINGS

We stock a range of hydraulic hose and fittings including 1 wire, 2 wire and multispiral hose with fittings to suit. Including a wide range of adapters. Our extensive line includes low pressure, medium pressure and high pressure hydraulic hose assembly that can be made to customer specifications at our purpose-built hose facility and Parker Store trade counter in West Yorkshire. Hoses are tagged using (Parker Tracking System) PTS for full traceability and to increase uptime for faster more accurate hose replacement in the future. We can also supply loose hose and fittings.



## Hose Kits

BSP can also make hose kits to suit your specification. Including hoses, adapters, seals, quick release couplings and much more.



## KarryKrimp

BSP offer the full range of Parker KarryKrimps, they are easy to use, accurate and effective for making safe and reliable hose assemblies.

## Consumables

We stock and supply a comprehensive range of high-quality consumables. Our range includes:

• Hydraulic Oil • Spill Pads / Kits • Gloves • Funnels • And more

Whether you're restocking essentials or preparing for a specific job, we've got the products you need, ready when you need them.

# PARKER A LOK

At BSP, we are a supplier of Parker A-LOK® instrumentation tube fittings—renowned for their superior performance, reliability, and engineering excellence. Whether you're operating in oil & gas, chemical processing, power generation, or any critical application, Parker A-LOK® provides the secure connections you need.



# STEEL TUBE

We supply a variety of steel tube suitable for a range of applications. Whether you need steel tube by the metre or in bulk, BSP is ready to deliver quality, reliability, and service.





# HYDRAULIC POWER UNITS & ENGINE DRIVEN POWERPACKS

We supply Hydraulic Power Units (HPUs) and Engine-Driven Powerpacks engineered for performance, durability, and reliability in demanding environments. Talk to BSP today about your next power unit project—off-the-shelf or fully custom-built.



# MOBILE HYDRAULIC HOSE REPLACEMENT SERVICE

**BSP**  
— Hose & Fittings —

In 2022 BSP launched a new division 'BSP Hose & Fittings', where we now offer mobile hydraulic hose replacement across the Yorkshire region. We're also part of the Parker Hose Doctor programme to which we also undertake jobs.

To enquire about our mobile hose replacement please email us on [hose@bsphydraulics.co.uk](mailto:hose@bsphydraulics.co.uk) or call us on 01924 332491 (option 2)





# HOSE ASSEMBLY & HOSE TESTING

Our Normanton based facilities allow us to offer a wide range of hydraulic and industrial hose, fittings and adapters, suitable for a variety of applications. Our extensive line includes low, medium and high-pressure hydraulic hoses that can be made to customer specification at our purpose-built hose facility. We can make hoses while you wait in our Parker Store or we can supply customised to your exact requirements on a fast delivery service.



BSP have the facilities to offer hose pressure testing and flushing, with test certificates.



# AFTER SALES/SERVICE

We are pleased to offer a comprehensive in-house and on-site repair service for the full range of Parker Hannifin hydraulic components. We also hold an extensive stock of new units and spare parts. We offer a fast turnaround of repairs and only use genuine parts.

All service and repair work is carried out by ex-employees of both Parker Hannifin and Voac Hydraulics, totalling over 100 years of experience.

Other services provided include installation, fault finding, commissioning and hose / fittings.



## Parker Denison Build Centre

We are a UK distributor and stockist of the full Parker Denison range. In 2016, we became the UK's first certified Parker Denison build centre. Allowing us to supply and build the Parker Denison range suitable for applications within the truck, mobile and industrial markets. Our knowledgeable team are fully qualified and have excellent experience in building and refurbishing Parker Denison components. We carry extensive stock of genuine spare parts and full units, so we can deal with emergency situations and supply configured units in as little as 24 hours.





Our other product ranges include:



## CONTACT DETAILS

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