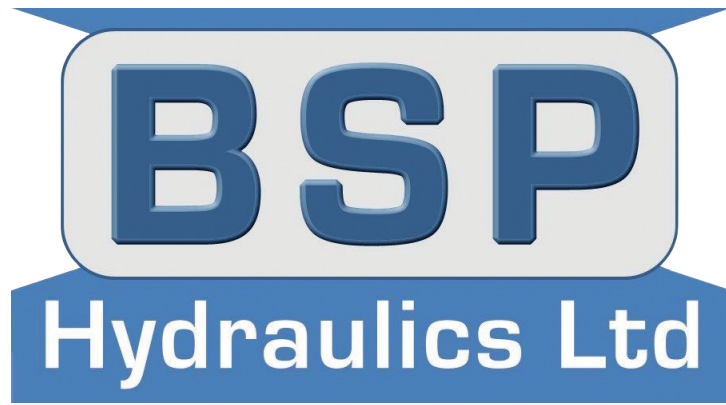




FOR ALL YOUR
HYDRAULIC REQUIREMENTS





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 industrial and mobile 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.

Due to growth over the years, we have introduced an in-house and on-site hydraulic component repair capability 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, one of the world's leading manufacturers in motion and control equipment. Parker Hannifin offer a wide product portfolio, and we support this with our substantial product and application knowledge.

This brochure showcases a popular selection of Parker products that we supply. We also hold large stocks of additional products across an extensive range. For further details or to discuss your hydraulic requirements, please contact our sales team or visit our user-friendly website.



TRUCK PRODUCTS

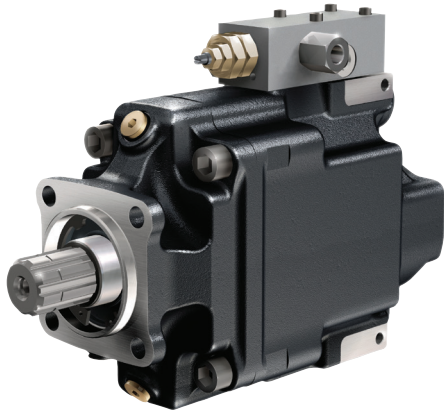
Fixed Pumps

- F1
- F2
- F11
- F12



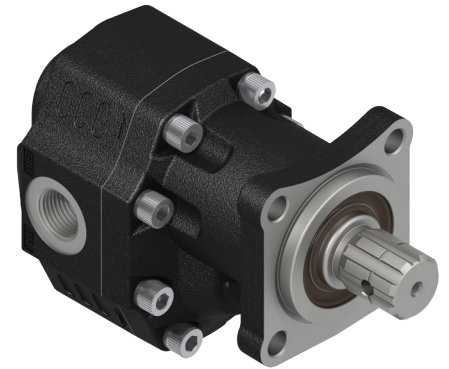
Variable Pumps

- VP1 45 TO 130 pumps



Denison Pumps

- T6GC • T6CCM • T6GCC • T67DC
- Single & Tandem Pumps



Parker Chelsea PTO Units & UK Build Centre

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.



MOBILE PRODUCTS



BSP Hydraulics Ltd are the official distributor for Parker Truck and Mobile Products. We hold an extensive stock of new units and spare parts with the facility to service and repair.

Parker offers a wide product portfolio and BSP Hydraulics support this with our substantial product and application knowledge.

Filters

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

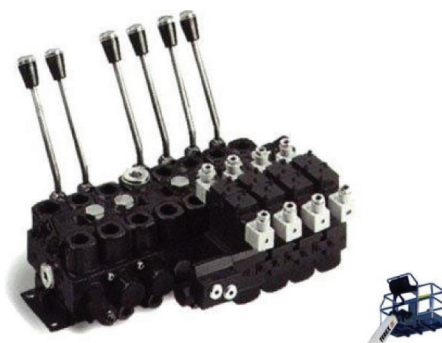
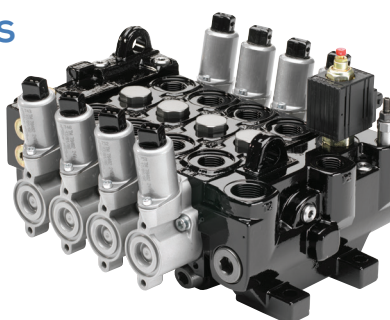


Axial Piston Motors/Pumps

- High overall efficiency
- Pressure ranges up to 480 bar
- Easy to service

Directional Control Valves

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



Tel: 01924 332491 | Fax: 01924 332493

MOBILE PRODUCTS

Hydraulic Tanks

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

Capacities from 25L to 200L+. Other options of narrow design, side and rear tanks are available.

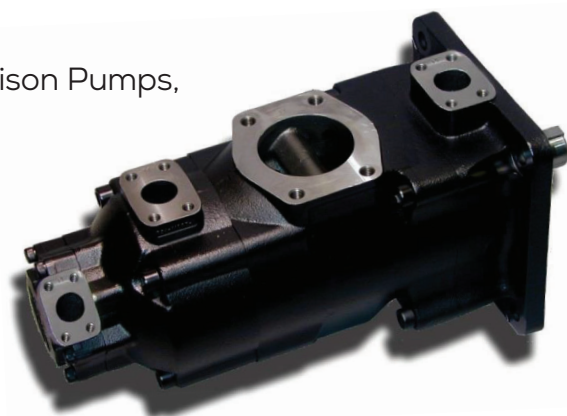


Complete hydraulic wet kits are available for bulk tippers, walking floors, ejector trailers, forestry cranes, lorry loaders and many more applications.



INDUSTRIAL PRODUCTS

We offer a full range of Denison Pumps, with some units built at our authorised Denison Parker build centre in Wakefield.



Cartridge Valves

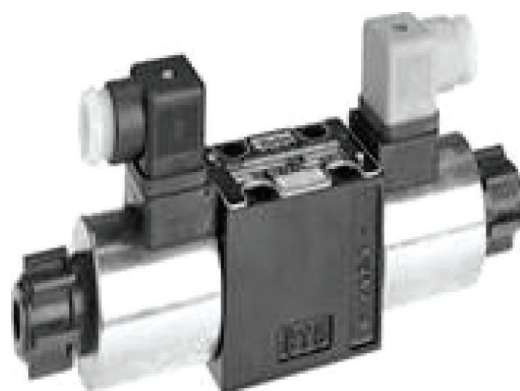


Manifold Block

- Wide range of flanges – allows customisation
- 7 sizes
- 2 options for oil supply and drain

Cetop Valves

We can assist with circuit design and component specification, incorporating a wide range of Directional Cetop Valves, Auxiliary Cetop Valves & Manifolds to suit a wide range of applications.



After Sales and 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.

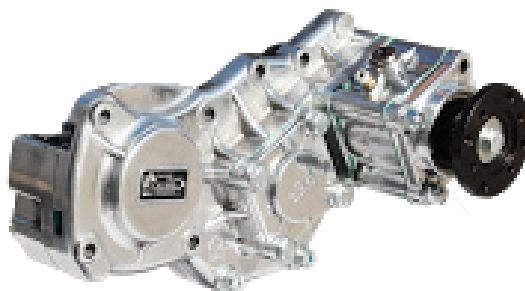
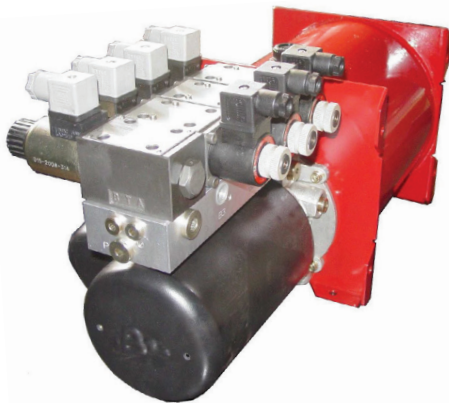
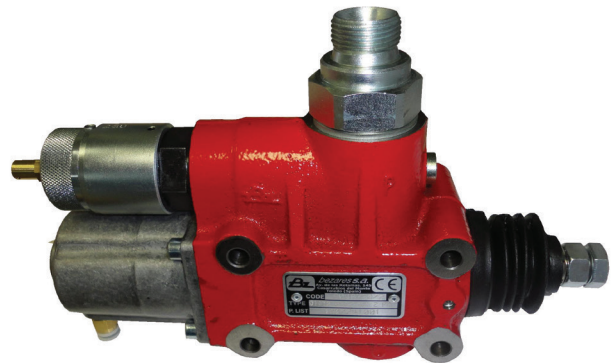
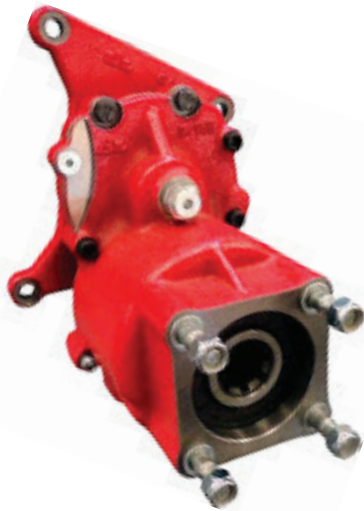
Other services provided include installation, fault finding, commissioning and hose / fittings.



BEZARES PRODUCTS

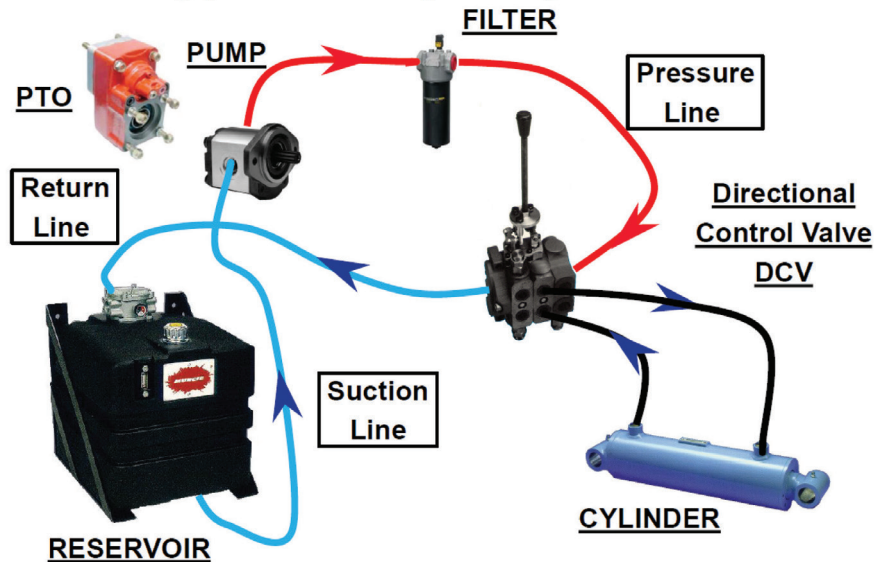


BSP Hydraulics Ltd are the UK stockists and Distributors for the Bezares range of hydraulic and auxiliary equipment. This incorporates PTO (Power Take Off), hydraulic pumps, power packs, hydraulic tanks, control valves and complete systems. The PTO range covers all major truck and gearbox ranges.



USEFUL INFORMATION

Typical Simple System



Standard Calculations

FLOW DELIVERED Q

$$Q = \frac{D \times (n \times r) \times h_v}{1000} \quad (\text{l/min})$$

Torque Required M

$$M = \frac{D \times p}{63 \times h_{hm}} \quad (\text{N/m})$$

Power Required N

$$N = \frac{Q \times p}{600 \times h_t} \quad (\text{kW})$$

D = Displacement
(cc/rev)

Q = Flow (l/min)

n = Speed (rpm)

r = PTO ratio
(i.e. 0.5 .. 1.25)

p = Pressure (bar)

h_{hm} = Mechanical
efficiency

h_v = Volumetric
efficiency

h_{hm} = Overall
efficiency

$h_t = h_{hm} \times h_{hm}$

CONTACT DETAILS

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