

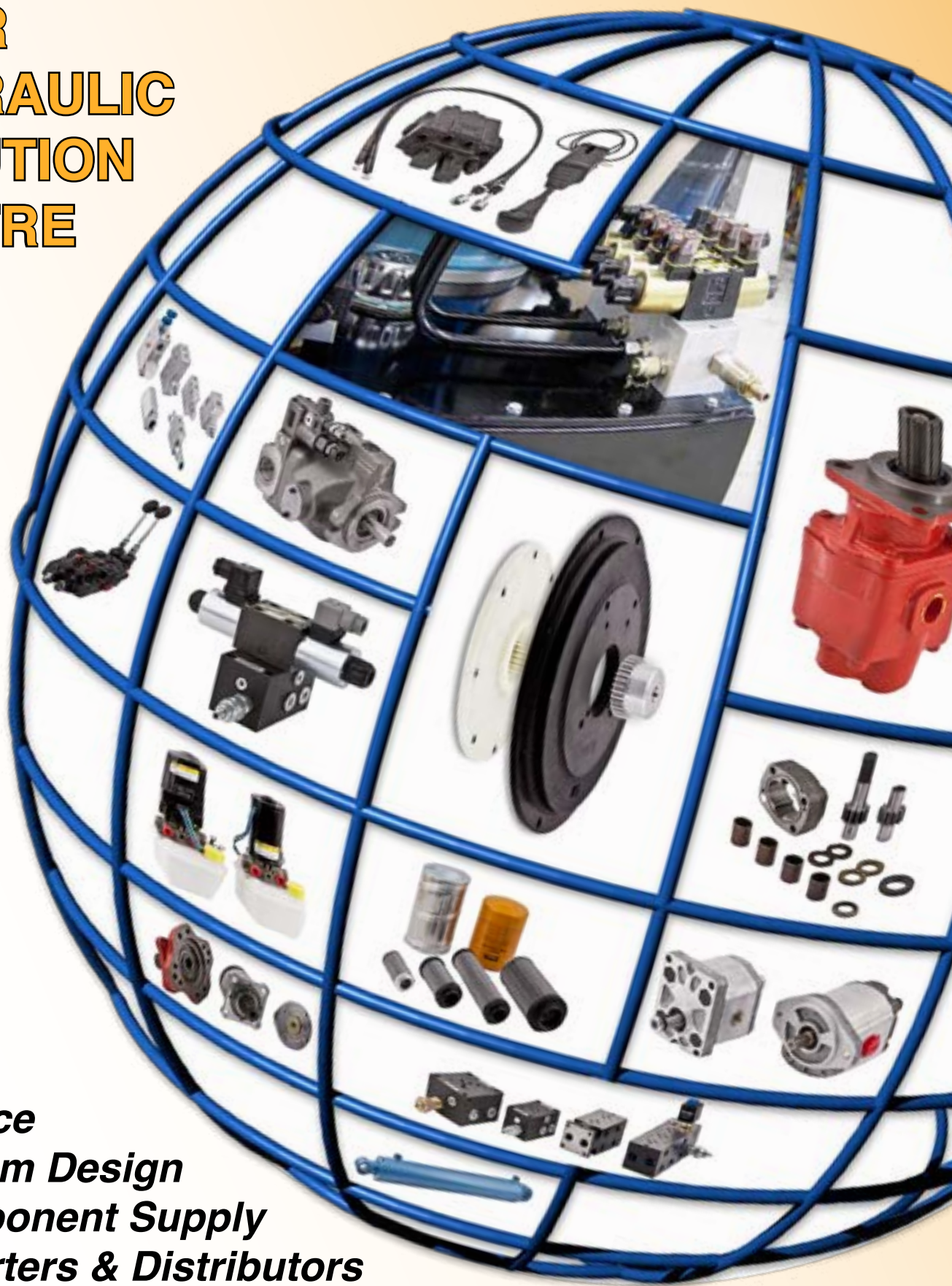


HYDRAULICS

HYDRAULIC SYSTEMS & COMPONENTS

2013 Catalogue

YOUR HYDRAULIC SOLUTION CENTRE



- ***Service***
- ***System Design***
- ***Component Supply***
- ***Importers & Distributors***

phone (03) 348 1653

38 Parkhouse Road, PO Box 3892 • Christchurch • Fax (03) 348 1675

Email: enquiries@hsac.co.nz • Web: www.hsac.co.nz

Pumps



Aluminium Gear Pumps - BUCHER

GP1 GP2 & GP3 frame sizes available in Euro mount - taper shaft - BSPP ports.

Displacements: 1.7 cc/rev - 53 cc/rev.

GP2 with SAE A mount, 9 tooth shaft & UNO ports.

Displacements: 8.3 cc/rev - 21.9 cc/rev.



Cast Iron Gear Pumps - COMMERCIAL PARKER

Three piece cast iron construction.

Heavy duty application.

Single, multiple and piggyback assemblies.

Mount, shaft and ports to suit. Full range of spare parts.



Vane Pumps - DENISON PARKER

Extensive range of pumps from T7B single to T7ED tandem & T67DCC triple.

Displacements from: 10 cc/rev - 269 cc/rev.

Multiple build configurations available.

Standard range of assembled pumps ex stock.

Full range of spare parts: cartridges, shafts, seal kits, housings.



Piston Pumps - PARKER PVP & PAVC

Parker medium pressure variable displacement piston pumps.

PVP displacements: 16 cc/rev - 48 cc/rev. Pressure to 3600 psi.

PAVC displacements: 33 cc/rev - 100 cc/rev. Pressure to 3000 psi.

Various control options - thru shaft capable.

All displacements available ex stock.



Piston Pumps - PARKER P1

Parker P1 series of medium pressure variable displacement piston pumps.

Displacements from 18 cc/rev - 145 cc/rev.

Continuous pressure to 4060 psi (280bar).

Various control options - thru shaft capable.

Compact, quiet and efficient control.



Piston Pumps - PARKER P2/P3

Parker P2 & P3 high pressure and high speed variable displacement piston pumps.

Displacements from 60 cc/rev - 145 cc/rev.

Max operating pressure 4600 psi (320bar)

Compact design, thru-shaft prepared, numerous control options.

All sizes carried in stock.



Closed Circuit Axial Piston Pumps - Manual Control

Displacements of 16 & 25 cc/rev in stock.

SAE mount and shafts

Continuous pressure 280 bar, max RPM 3600.

Thru drive prepared to suit SAE A mount.



Closed Circuit Axial Piston Pumps - Servo Control

Displacements of 28cc/rev - 125cc/rev.

Continuous pressures 4060psi - 5800psi. (250 - 400bar).

SAE B mount 15T shaft.

Thru drive prepared to SAE B 2 bolt mount.

Valves



Manual Control Valves - BUCHER

Large range of manual control valves up to 6 bank in selected sizes.

3/8", 1/2" and 3/4" valves stocked. Most spool types and control options available.

Valves have HPCO provision.



Flow Control Valves

2 & 3 port pressure compensated flow controls with lever or knob adjust.

2 port flow control with free reverse check valve.

3 port flow control with bypass to tank and built in relief valve.

3 port flow control with bypass to pressure.

Sizes: 3/8" - 1.00" ports.



Relief valves

Single, cross line, 5 port and motor mount styles.

3/8", 1/2" & 3/4" size bodies.

Check valves: 1/4" - 1.1/2" inline check valves. 1/2 bar and 5 bar spring.

Shuttle valves and hose burst valves.



Load Holding Valves

Pilot operated check valves in both steel and alloy bodies.

Single inline, dual inline and dual 90° mounted styles.

Single and dual banjo mounted pilot operated check valves.

Counterbalance valves in steel and alloy bodies.

Single and dual counterbalance valves available in both standard and vented options.



Excavator Load Lock Valves

Positive load holding.

Provides improved fine control load lowering.

Flow ranges from 25 - 500 l/min.

Inline mount or SAE flange mount styles.

Valves can be preset and supplied with test points.

Full instructions and set-up procedure provided.

Motors



Low Speed High Torque Hydraulic Motors - PARKER

TE series medium duty small frame hydraulic motor.
Displacements from 36 cc/rev - 390 cc/rev.
Various shaft and mount options available.
Full range of motors and spare parts carried in stock.



Low Speed High Torque Hydraulic Motors - PARKER

TG/TF series heavy duty hydraulic motor.
Displacements TF 80 cc/rev - 130 cc/rev. TG 140 cc/rev - 960 cc/rev.
Full range of motors and spare parts carried in stock.
All shaft and mount options available to build any configuration.
Grapple and Brake motor parts stocked.



Bent Axis High Performance Motor/Pump - PARKER

F11 & F12 fixed displacement piston motors. Very high operating speeds and pressures.
F11 sizes 5, 10, 19, 150 & 250 cc/rev.
F12 sizes 30, 40, 60, 80, 110 & 125cc/rev.
Operating pressures to 420 bar (F11) and 480 bar (F12).
Most sizes are available ex stock.



Vane Motors - PARKER DENISON

A selected range of the Denison vane motors carried in stock.
M3B, M4D & M4E models. Displacements from 12.3 cc/rev - 220 cc/rev.
Spare parts for the Vane motors and pumps carried in stock.



MGG Motors - PARKER

High Speed Low Torque Gerotor Motors.
Displacements from 3.5 cc/rev - 11.4 cc/rev.
Max continuous output speed - 5000 rpm.
All sizes stocked in rear port options. Side ports limited sizes.



Gear Motors - BUCHER

GP2 aluminium gear motors in Euro & SAE mounts and shafts.
8.5 cc/rev - 19 cc/rev.
BSPP ports.

DC Power Pack



Bezares DC Power Unit

12 & 24VDC power units available with 4 & 7.5 litre plastic tanks as standard.

Single acting or cetop 3 valve control valve options.

Heavy duty motor and steel tanks available.



Miniature DC Power Unit Fully Self-Contained Motor, Pump, Tank, Load Holding And Relief Valves.

Available in 12 volt and 24 volt DC series wound or permanent magnet motors.

Four pump sizes, standard relief settings and back pressure valves.

Industrial Valves



Cetop 3 & 5 Solenoid Operated Directional Control Valves

Available in stock.

Numerous spool options and coil voltages in either AC or DC can be supplied.



Cetop 3 & 5 Sub Plates In Both Cast Iron And Alloy

1 - 6 stations with relief and unloader valve options.

All configured for parallel only.

Ports 3/8" BSPP on Cetop 3 blocks. 1/2" BSPP on Cetop 5 blocks.



Full Range Of Cetop Modules

-Flow controls, pressure controls, pressure switches, pilot checks, test modules, cover plates.

Contact HSC for more information.



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Bell Housings and Couplings



Bell Housing And Couplings To Suit Electric Motors

Motor frame sizes from: 63 - 180 (12kW - 15kW).

Pump mounts Euro and SAE.

Couplings 14 mm - 42 mm motor shafts, taper and SAE pump halves.



SAE Bell Housing, Flywheel And Pump Adaptors

Available in stock.

Engine sizes from SAE 5 - SAE 2, and flywheels from SAE 6 1/2" - 11.1/2".

Pump mounts SAE A, B, C, D and Euro GP2 and 3.

A full range of pump hubs to suit most applications.



Bell Housing Kits To Suit Small Petrol And Diesel Engines Up To 30 HP.

Pump mounts and drive hubs to suit GP1, GP2 and SAE A & B.

Engine PTO shaft adaptors from 3/4" - 1.7/16" keyed as well as metric.



Bell Housing Kits To Suit Hilo Log Splitter Pumps

Kit comes complete with coupling to suit standard 1.00" engine shaft and 1/2" pump shaft.

Other options also available.



Electric Motor Couplings

Keyed shaft hubs: 24mm - 55mm, 3/4" - 1.1/4" bore.

Spline hubs: SAE 9T - SAE CC 17T, DIN 5480 14T - 21T.

Power Take Off



Power Take Off Units

Suitable for a wide range of gearboxes are carried in stock.

Standard and heavy duty models with various ratios available.

DIN mount pump output standard.

Adaptors to suit other pumps also stocked.



Full Range Of PTO Output Adaptors, Drive Flanges And Clutches

DIN to UNI, SAE to DIN, UNI to SAE.

Check with HSC for any mounting options that you may require.

These complement the range of PTOs that are stocked.



Parker Bent Axis Piston Pumps

Widely used on truck applications.

Displacements from 25 cc/rev - 101 cc/rev and 350 bar continuous pressure rating.

4 bolt DIN mount with rear ports.

Suitable for truck cranes, hook trucks and forest cranes.



Truck Pumps - Din And Uni Mounts

4 Bolt Din mount 8 tooth shaft.

10cc/rev - 150cc/rev.

Operating pressure to 3600psi (250bar).

3 Bolt Uni mount 6 tooth shaft.

17 cc/rev - 82 cc/rev. Operating pressure to 2500 psi (175bar).



Truck Tipping Valves And Diverters

Air operated truck and trailer tipping valves and three port diverters.

Both valves available in sizes 3/4" and 1.00".

Manual 3 port diverters also in stock.



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Auxiliary Equipment



Cab Mounted PTO & Hoist Controls

Detent up/down and PTO trip out options.

Hoist only for trailer control - detent & spring return positions.

Mini air compressors in 12 & 24VDC for small vehicles without an air supply.



Hydraulic Pilot Remote Control Levers

Joystick handles with electrical buttons.

For operating addition functions on excavators etc.



Filters

Full range of filter housings: low, medium and high pressure filters. Replacement elements for all Parker, Arlon, UCC and Finn as well as interchange elements for many other brands of filter. Level gauges, pressure gauges, breathers and couplings.



Pump Spare Parts

Full range of spare parts to suit all commercial gear pumps. In-house machining of ports for replacement housings. Parts can be supplied to rebuild pumps and motors or this work can be undertaken at our service shop. All pumps tested.



Cylinders

Suppliers of the industry-recognized Victor brand of hydraulic cylinders.

We can supply the stock range of cylinders as well as custom made options as required.

Contact HSC for all your cylinder requirements.



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Log Splitter Parts



Log Splitter Control Valves

Single and two bank directional control valves.

Integral pressure release detent for return stroke.

Power beyond available on two bank valve.

3/4" BSP ports.



Two Stage Hydraulic Pumps Widely Used For Log Splitters

Consists of two separate pumps, low pressure high flow and high pressure low flow. The preset unloading valve will automatically switch pumps to meet pressure requirements.

Various pump sizes to suit engine kW.

Close coupled bell housing and coupling designed for the 4 bolt mount and 1/2" keyed shaft on the two stage pumps. Other pump mounts available.



Log Splitter Kits

HSC are able to supply the components as a complete kit or parts to build your own log splitter.

We can provide information on engine and tank sizes, cylinder speeds and tonnes of force as well as hosing up of components.



HSC HYDRAULICS

Largest Parker Fluid Power Stockist

All products shown in brochure normally available ex stock.

Large range of spare parts available ex stock.

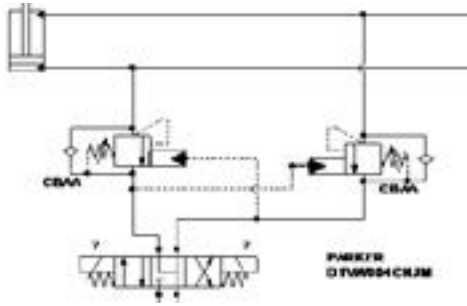


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Service



Hydraulic Circuit Design And Drawing

HSC are able to supply professionally drawn hydraulic circuits to your requirements.



Design And Build Complete Systems In House To Suit Your Requirements

All units are workshop tested and preset prior to delivery and installation.



Supply And Fit Hydraulic Components as Required on Many Types of Machines.

HSC service engineers will fit new components, service and test existing equipment and manufacture as required.

PTO and pump units are able to be fitted in house if required.



In-House Test Facilities For Cylinders, Pumps And Motors

Where possible all hydraulic components coming in for repair are tested before and after service.

Mobile service engineers can provide on-site servicing
HSC Hydraulics run a modern and well-equipped service workshop.



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Parker Hydraulic Products



PARKER PISTON PUMPS, CETOP VALVES



PARKER/ROSS: Torqlink Hydraulic Motors



DENISON: Vane Pumps and Motors



COMMERCIAL: Cast Iron Gear Pumps and Motors



VOAC: Bent Axis Piston Motors and Pumps



OILDYNE: Miniature DC Power Units



FILTRATION: PARKER - ARLON - UCC - FINN

NZ Importer and Distributor for:



FLUID PRESS: Flow Controls, Load holding Valves, Check Valves and Relief Valves



SM: Bell Housings, Couplings and Engine Drive Adaptors



EURO FLUID: Cetop Subplates, Modules, Cover Plates



BUCHER: Aluminium Gear Pumps and Motors, Manual Control Valves



BEZARES: Power Take Offs, PTO Adaptors, DC Power Units and Hand Pumps



NIMCO: Tractor Valves and Diverters



KAZEL: Truck PTO Pumps



Bondioli & Pavesi Closed Loop Piston Pumps and Motors

Distributor for:



VICTOR CYLINDERS: Hydraulic Cylinders, Standard & Custom Built



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