

Parker – Providing the Industry with Complete System Solutions



**Dedicated products
and solutions for
Drill Rigs**

Parker's System Development Process

The System Development Process is a joint effort between Parker and the customer, designed to maximize the results of a systems evolution. It begins with communications and scope planning. The next step is baseline testing and benchmarking, to establish goals and objectives. The rationalization process calls upon brainstorming the technical strategy. The optimization process quantifies the customer's desired gains and allows for refinement. Validation is completed before production release.

Dedication to Excellence

By choosing Parker as your component supplier, you also get access to our vast experience in systems engineering. Our skilled engineers are always ready to assist, on site or at our own dedicated Systems Engineering Centre. The team members all have years of experience

in advanced system design and will be your partners all the way. Adding a highly qualified Parker systems engineer to your project team will help you to utilize Parker components in a way that offers significantly improved systems performance – and hence a more competitive product – at a reduced total cost.

The Scope of Parker

Parker Hannifin is a leading global motion-control company, dedicated to delivering **Premier Customer Service**. Parker is the only manufacturer to offer its customers a choice of hydraulic, pneumatic and electro-mechanical motion-control solutions. Our company has the largest distribution network in its field, with over 8,300 distributors serving approximately 400,000 customers world-wide.

All from One Supplier

The Parker range of products and system solutions is constantly expanding and evolving, reaching ever higher levels of performance, functionality, reliability and durability. We are always striving to develop the real life performance of our components even further, to meet and exceed future demands, always backing them up with extensive training and field technical support around the clock, world-wide. This is just one of many ways in which we show our commitment to a truly Premier Customer Service, and this is why Parker is the only supplier you need when it comes to motion-control equipment.

We're Where You Are... Worldwide!

In the USA, call 1-800-CPARKER
E-mail: c-parker@parker.com
www.parker.com/hydraulics

In Europe, call 00800-27 27 53 74
E-mail: eurohyd@parker.com
www.parker.com/eurohyd



Bulletin HY02-8017/UK
1.5M 02/04 RT

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anything  Possible.

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**Your Resource for Hydraulic
Components and System Solutions**

Dedicated Products and Solutions for Drill Rigs



Store energy

Our complete range of CE approved bladder and piston accumulators maintains high pressure for safe braking and manoeuvring. Greater system efficiency and reduced pump sizes give longer life, lower costs and an improved operator environment.



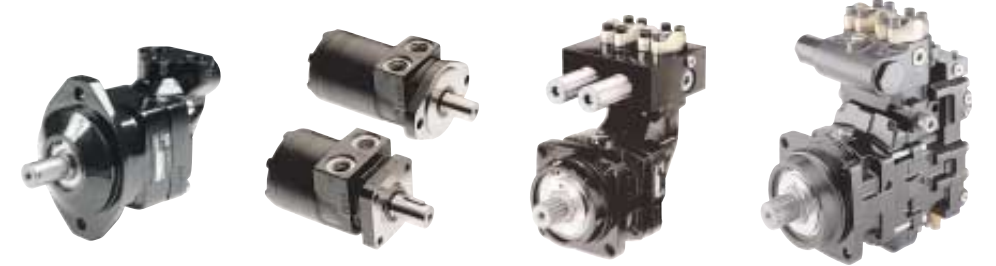
Integrated functionality

System manifold to be integrated with the main valve in order to achieve function solutions in a compact system.



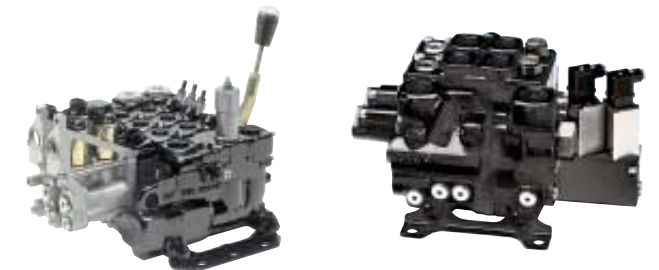
Parker Gear Motors/Pumps

A wide range of heavy duty gear motors/pumps for long, reliable service life in demanding environments. Integrated functions for priority, brake charging, unloading and other value-added features.



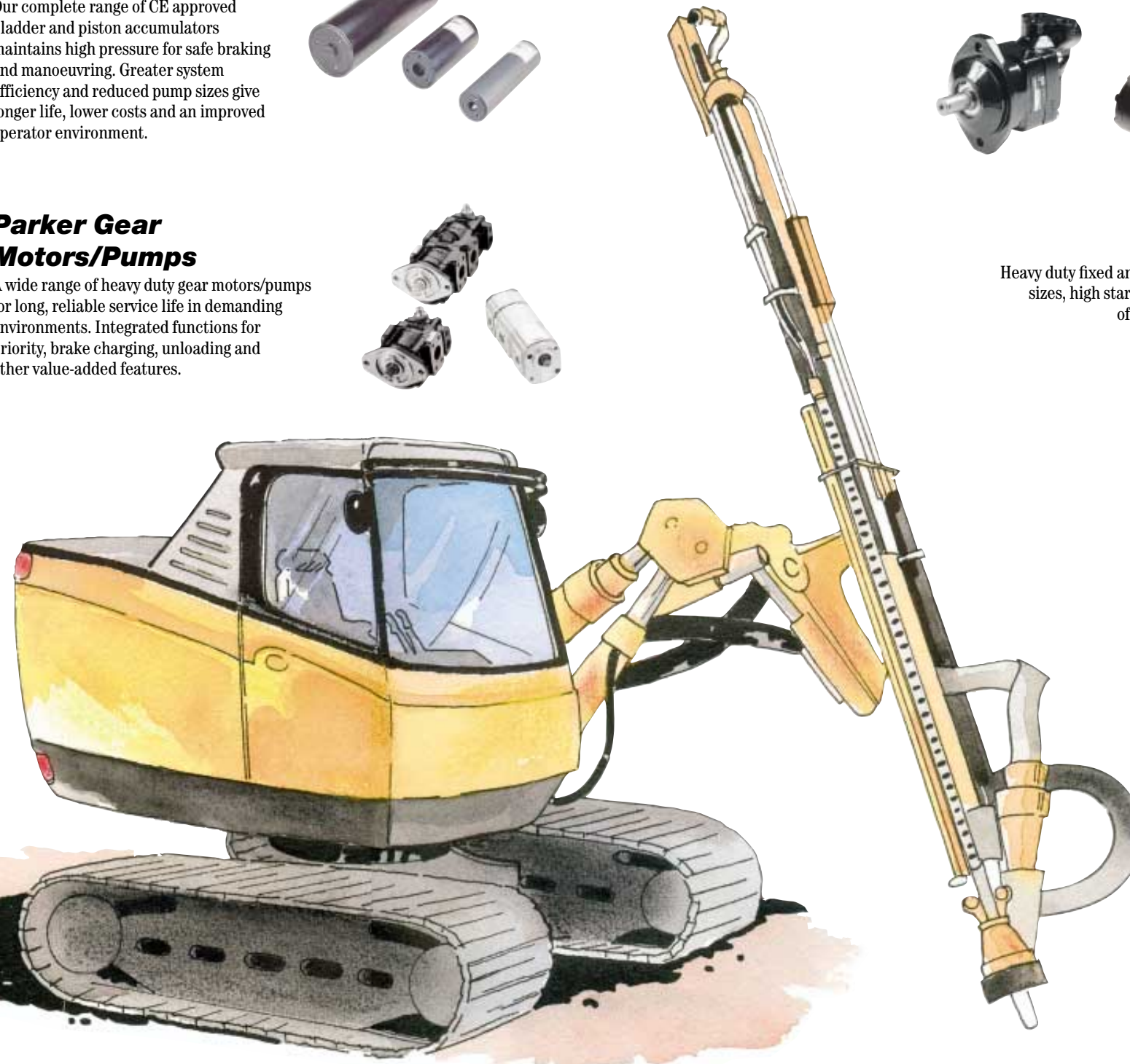
Motors for traction-, slew-, water- and mud pump drives, etc.

Heavy duty fixed and variable piston motors featuring extensive speed ranges, small envelope sizes, high starting torque, optimal efficiency, direct fan drives, etc. There is a wide range of accessory valves, flushing-, relief- and brake valve blocks, etc. Frame sizes from 5 to 250 cc/rev.



Machine control

IQAN is an electronic, CAN-based system containing all functions required for total system solutions. Built on software modules for power management, transmission control, arm control, brakes, steering, external communication and implements, etc. IQANdevelop and IQANdesign are excellent tools for installation, start-up, diagnostics, fault-finding and other user-friendly functions. IQAN interfaces to generic CAN-buses such as J1939, CAN open, etc.



Stay tough on tough jobs

A wide range of customized cylinders with service-friendly designs, damping and integrated valve functions. Designed to stay leak-proof during a long service life.



LS valves for drill rigs

A wide range of load sensing valves, fully pressure compensated. The flexibility is unlimited, such as priority for important functions as well as pressure control on each motor port, etc. Integrated function solutions are available for constant feed force and feed control in relation to torque, etc.



Ergonomic operation

A range of linear and joy-stick levers for pilot control, adapted to the specific demands of drill rig operation, recognized for good manoeuvring capabilities. Options include multi-function handles, mechanical and solenoid detents, built-in brake release, etc.

Quiet power

Our range of variable piston pumps have rigid housings and ripple chambers which make the pumps quiet, generating less flow- and pressure pulsations than conventional pumps. High self-priming speed capability and a unique port layout makes this range of pumps the obvious choice for modern machine designs. All pumps are performance-matched to form a good working team in our total system concepts.



Added life

Parker filtration philosophy helps to add life-time and reliability to your machines. A wide range of filters covers all your needs.



Valves optimized for drill rigs

Directional control valves for open centre systems with features like function optimized spools, low pressure drop and a number of options including manual, hydraulic and electro-hydraulic spool controls.

Leak-free connections

The Parker "Dry Technology" programme offers a wide range of high performance leak-free products: Tube fittings, industrial and hydraulic rubber hoses, thermoplastic hoses, quick couplings, pneumatic tubes and pneumatic fittings for maximum security, protection and good economy.

