



Hydraulics

**Product and
Systems Overview**

Parker Hydraulics



As a leading global company, Parker manufactures the widest variety of components and systems designed to control motion, flow and pressure in all types of machinery and other equipment. When you need an industrial or mobile hydraulic system, subsystem or components, Parker delivers.



Parker Hannifin Corporation

We offer over 1,400 product lines that control motion in 1,000 mobile, industrial and aerospace markets. Parker is simply the only manufacturer to offer its customers a choice of hydraulic, pneumatic, electromechanical and computerised motion control solutions. We have the largest distribution network in our field, with over 7,500 distributors serving more than 400,000 customers worldwide.

Parker products are found in satellites orbiting the earth, on machine tools, on mobile equipment, on oil rigs and refineries, in laboratories and hospitals – any place where machines depend on motion or fluid control.

Total Systems from the Ground Up

Parker's staff of highly qualified engineers – application engineers, research and development teams and system solution specialists – will be able to supply the optimal solution for your hydraulic application. Using our vast experience and high levels of data acquisition, we will help you determine your needs and aid you in designing the right solution.



Manufacturing

Parker's product engineering and manufacturing capabilities form the cornerstone of everything we offer. We utilize the latest computer-aided manufacturing technology to meet or exceed today's stringent demands for both quality and delivery. Parker is ISO-certified and continues to invest in both manufacturing technology and people, performing precision metal work that is second to none.



www.parker.com/eurohyd

Parker's comprehensive web site is your online resource for hydraulic technology, including downloadable catalogues, contact information, training materials, product selection software, as well as live order capabilities.

Training

Parker provides overall technical training for hydraulic and pneumatic technology. We offer opportunities for our employees, distributors and customers, including web-based, on-site and classroom training at various Parker locations.

Training support materials include textbooks, instructor guides, computer-based training CDs, lab manuals and trainer stands.



Extended Warranty

Parker offer an extended warranty programme for Hydraulic Group products used in a properly installed and maintained system, as supplied by Parker and/or its authorized Hydraulic Technology Centre (HTC).

Hydraulic System Solutions



In today's challenging business environment, you need suppliers who can provide you with total solutions. Parker's system solutions are found around the globe in marine applications, power generation, machine tools, mobile equipment, oil rigs and refineries, refuse collection, entertainment and hospitals – any place where machines depend on motion or fluid control.

Ordering a complete hydraulic system from Parker brings with it all of the benefits you have come to expect: quality, system integrity, world-wide distribution, extensive field support and customer service. It also puts the application expertise of Parker engineers to work for you to ensure that your hydraulic system performs to your specifications. Add shortened lead times, simplified ordering and more efficient shipping and you'll agree that Parker's total system capabilities are designed with your application in mind.



Technology Centres

A Parker Hydraulic Technology Centre (HTC) is your local one stop shop for all your hydraulic needs. These centres are staffed with specialists who can provide engineering assistance, technical help, and full systems service for all your hydraulic requirements. HTCs and MTCs (Mobile Technology Centres) were introduced by Parker in order to

meet the changing needs of the hydraulics industry, while increasing the range of services provided by a Parker distributor. At Parker Technology Centres you will find: advanced design and technology, local inventory, a staff of application system engineers, training services and the industry's leading technical support.



Industrial Hydraulic Specialists



Mobile Hydraulic Specialists





System Centres

Parker's System Centres are equipped to build prototypes, test sub-systems, retrofit equipment and construct entire motion and control systems. Each function can be instrumental in the development of fine-tuned system proposals and solutions to match customer requirements.

We will take on an entire project, or one of our system experts can participate on your development team. If you choose, you can send your equipment to our facilities where we will carry out testing, propose solutions and verify performance.

Parker's broad product range supplies an unparalleled capability to optimize systems for our customers. Our engineers have years

of experience in advanced system design and will be your partners all the way. Parker can deliver a working prototype with complete documentation.

When Parker supplies your system solution, you'll feel comfortable that it will work efficiently from the moment you start up the machine.

If you should need assistance once into production, Parker's global support network can assist you in virtually any country around the world.



Extensive Product Offering

When it comes to hydraulic products, Parker is the most widely recognized name in the business. With more than 75 years of experience, Parker currently stocks more than 200,000 hydraulic part numbers, allowing for unlimited solution possibilities. Customers can reduce their number of vendors without compromising quality. Buying from a single source saves time and money, and allows for easier ordering and faster shipping.

Accumulators

- Piston, non-repairable piston, bladder and diaphragm designs
- Shock suppressors
- Reservoir isolators
- Gas bottles
- Charging kits and accessories



Electronics/Remote Controls

- Hydraulic
- Pneumatic
- IQAN control systems



Cylinders

- Industrial
- Electrohydraulic
- Mobile
- Mill duty
- Custom



Power Take Offs

- Virtually all transmissions
- Broadest coverage in the industry
- Industry leading innovation, engineering and performance
- Wet line kits, reservoirs and accessories



Fluid Connectors

- Brass products
- Quick couplings
- Rubber hose products
- Thermoplastic products
- Tube fittings

Compact Hydraulics

- Miniature power units
- Fluid power systems
- Gear motors
- Piston pumps
- Cartridge pumps
- Hand pumps





Pumps

- Pump/motors
- Piston, vane and gear pumps
- Fixed and variable displacement pumps
- Flow dividers/intensifiers

Threaded Cartridge Valves and Integrated Hydraulic Circuits

- Directional control valves, pressure controls, proportional valves, powershift transmission controls, load holding valves and logic elements
- Manifold design using 3D-CAD/CAM
- Complete system solution with optimised functions



Motors

- High volumetric efficiency
- High speed motors
- Full flow spline cooling
- High pressure shaft seals
- High starting torque



Valves and Controls

- Directional, volume, proportional and pressure control
- Flow, check, needle and ball valves
- Servo valves
- Closed loop controllers
- DIN cartridge and auxiliary valves



Power Units

- Vertical, horizontal and overhead designs
- Suction strainer on inlet ports
- SAE straight thread connections and ports



Rotary Actuators

- Custom engineered
- Rack and pinion
- Mill type



Filtration

- Pressure filters
- Portable/off-line systems
- Reservoir accessories
- ParGel, breathers and diffusers
- ParFit replacement elements
- Fluid analysis

Parker has a set of Hydraulic Product Catalogues available for industrial, mobile and truck markets, each paired with an interactive CD. Call EPIC 0 0800 2727 5374 to order any or all of these comprehensive guides.



Industrial Catalogue
HY02-8022/UK

Mobile Catalogue
HY02-8023/UK

Truck Catalogue
HY02-8020/UK

Parker Hydraulics Around the World

Europe

Austria

Wiener Neustadt, Austria
Tel: (43) (0)2622 23501-0

Belgium

Nivelles, Belgium
Tel: (32) (0)67 280 900

Czech Republic

Prague, Czech Republic
Tel: (420) 2 840 83 111

Denmark

Ballerup, Denmark
Tel: (45) 4356 0400

Germany

Kaarst, Germany
Tel: (49) (0)2131 4016 0

Greece

Athens, Greece
Tel: (30) (21) 0933 64 50

United Kingdom

Warwick, England
Tel: (44) 1926 317878

Finland

Vantaa, Finland
Tel: (358) (0)9 476 731

France

Contamine-sur-Arve
France
Tel: (33) (0)4 50 25 80 25

Hungary

Budapest, Hungary
Tel: (36) 1 220 4155

Ireland

Blackrock, Co. Dublin
Republic of Ireland
Tel: (353) (0)1 293 9999

Italy

Corsico (Milano), Italy
Tel: (39) 02-45 19 21

The Netherlands

Oldenzaal, Netherlands
Tel: (31) (0)541 585000

Norway

Ski, Norway
Tel: (47) 64 91 10 00

Poland

Warsaw, Poland
Tel: (48) (0)22 863 49 42

Portugal

Leca da Palmeira, Portugal
Tel: (351) 22 999 7360

Romania

Bucharest, Romania
Tel: (40) 21 252 1382

Russia

Moscow, Russia
Tel./Fax: (7) 095 234 0054

Slovenia

Novo Mesto, Slovenia
Tel: (386) 733 766 50

Spain

Torrejon de Ardoz (Madrid)
Spain
Tel: (34) 91 6757300

Sweden

Spånga, Sweden
Tel: (46) (0)8 5979 5000

Turkey

Merter, Istanbul, Turkey
Tel: (90) 212 482 9106

Ukraine

Kiev, Ukraine
Tel./Fax: (380) 44 494 2731

North America

Industrial

USA

Chicago Region

Naperville, IL
Tel: (630) 964 0796

Great Lakes Region

Fairlawn, OH
Tel: (330) 670 2680

Northeast Region

Lebanon, NJ
Tel: (908) 236 4121

Pacific Region

Irvine, CA
Tel: (949) 660 7033

Southern Region

Alpharetta, GA
Tel: (770) 619 9767

Canada

Milton, Ontario
Tel: (905) 693 3018

Mobile

Mobile Systems

Lincolnshire, IL
Tel: (847) 821 1500

México

Apodaca, N.L. Mexico
Tel: (52) 81 8156 6000

Asia Pacific

Australia

Castle Hill, Australia
Tel: (61) (0)2 9634 7777

China

Cheung Sha Wan, Kowloon
Hong Kong
Tel: (852) 2428 8008

Beijing, China
Tel: (86) 10 6561 0520

Shanghai, China
Tel: (86) 21 6445 9339

India

Mahape, Navi Mumbai
India
Tel: (91) 22 5590 7081

Japan

Tokyo, Japan
Tel: (81) 3 6408 3900

Korea

Seoul, Korea 135-090
Tel: (82) 2 559 0400

Malaysia

Kuala Lumpur, Malaysia
Tel: (60) 3 6203 4482

New Zealand

Wellington, Auckland
New Zealand
Tel: (64) 9 574 1744

Singapore

Republic of Singapore
Tel: (65) 6 887 6300

Taiwan

Taipei, Taiwan
Tel: (886) 2 2298 8987

Thailand

Bangkok 10250, Thailand
Tel: (662) 717 8140

Middle East

United Arab Emirates

United Arab Emirates
Tel: (971) 2 6788587

Latin America

Pan American Division

Miami, FL
Tel: (305) 470 8800

Argentina

Pcia. de Buenos Aires
Argentina
Tel: (54) 11 4752 4129

Brazil

Jacarei, SP Brazil
Tel: (55) 12 354 5100

Venezuela

Caracas, Venezuela
Tel: (58) 2 2 38 5422

Africa

South Africa

Republic of South Africa
Tel: (27) (0)11 961 0700



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Bulletin HY02-8013/UK
5M 04/05 S&S

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