Hydraulic Filtration, Fluid Condition and Contamination Monitoring Solutions
A Capabilities Overview
Together, we can ensure your hydraulic and lubrication systems never stop you moving.

Engineering your success is what Parker Filtration do.

With engineering experience in numerous industry sectors including construction equipment, marine, automotive and military, Parker Filtration is uniquely placed to supply solutions to the challenges facing your fluid systems.

With a unique catalogue of filtration products, readily available for applications within these and other industry sectors; system reliability, quality and durability can be assured.

The unchanging Parker Filtration standards of increasing performance and improving efficiency include meeting Parker’s Ecology and Economy commitments; these commitments involve constantly striving to reduce environmental impact. It is this capability that makes Parker Filtration the first line of defence for your fluid system.

As the contamination control group of the World’s leading manufacturer of motion control systems and components, Parker Filtration has access to the most comprehensive range of products available today. This access makes Parker Filtration’s service, global support and commitment a reality for customers worldwide.

Productivity and controllability are primary requirements for modern fluid systems. By combining this with Parker Filtration’s unique approach to developing successful working relationships, Parker Filtration can deliver the perfect solutions to the engineering challenges facing your business.

Parker Filtration’s patented filter media is your assurance of quality and reliability.

When a customer specifies a Parker filter, no matter what the application – for hydraulic or lubricating systems, Parker Filtration’s patented filter media is a proven guarantee of quality, efficiency and filter life expectancy.

Ecoglass III and LEIF™ (Low Environmental Impact Filter) are the patented, environmental friendly media products, fitted to Parker’s ‘E-Series’ filters.

The E-Series range of products represents Parker Filtration’s commitment to realising the Ecological and Economical goals, Parker’s commitment to customers and the world around them.
Parker Diagnostics/ATEX Approval

In order to clearly identify the condition of your fluid systems, Parker Filtration has developed the most comprehensive range of fluid contamination monitoring products on the market. Parker Filtration’s portable and installed monitors allow for the observation of fluid within the working system in most circumstances and environments. Parker fluid contamination monitoring products enable you, the operator, to observe flow, pressure, temperature, levels of particulates and levels of water within a system and thus can provide unrivalled information relating to the performance of your system and the problems experienced.

Hazardous or explosive areas requiring contamination monitoring need ATEX approved equipment such as the Zone 2 ACM20. Analysers such as the ACM20 lab particle analyser and the Icount PD particle detector are proven performers in fluid condition monitoring.

Industry Market Capabilities

Parker Filtration has developed the most comprehensive catalogue of fluid monitoring and filtration products on the market and has extensive engineering experience in most industry sectors.

Power Generation

Parker Filtration components and engineering solutions are helping create sustainable power sources. In partnership with manufacturers of wind turbines, Parker Filtration works to engineer solutions to realise more efficient systems that benefit from limitless supplies of wind energy. Adhering to the Parker Filtration standards of developing solutions that increase performance, improve efficiency and reduce environmental impact, Parker Filtration is contributing to the production of socially acceptable power with minimum social and environmental impact.

Talking of environmental impact, Parker Filtration is also working with the primary power generators to monitor and maintain the fluids and fluid systems within fossil fuel and nuclear power plants.

The highly sensitive transformer oil, plus the turbine barring, jacking and lubrication oils are all supported by Parker filters and Par<>Fit™ filter elements.
Industry Market Capabilities

Marine / Oil and Gas
As a primary supplier of engineering solutions and components to the marine market, Parker Filtration has developed a reputation for unparalleled quality. Parker Filtration solutions are used by commercial ship builders, to ensure systems are reliable, even in the most extreme conditions. Whether it is a challenge relating to your fuel, lubricating oils or hydraulic systems; Parker Filtration can provide the highest levels of service and the latest filtration technology for the high seas.

There are many examples of Parker Filtration products meeting the rigorous demands of the oil and gas industry quality standards.

Defence
Parker Filtration is a major supporter of the European defence industry. With an engineering experience and ability to provide the perfect solution time and time again, Parker Filtration components and solutions are used in Navy ships, Air Force aircraft and Army vehicles operating around the world.

Automotive
The automotive industry faces constant challenges to improve manufacturing and business practises, whilst increasing performance and efficiency. As a primary supplier to the world’s leading automotive manufacturers, Parker Filtration continue to find perfect solutions to these challenges, time and time again.

Pulp & Paper
Parker Filtration has many years of experience in supporting the pulp and paper industry. By forging close working relationships with paper mill manufacturers and operators, Parker Filtration is helping to create solutions and provide components, to ensure production is maximised, whilst eliminating unplanned downtime.
Research & Development

Parker Filtration is constantly striving to engineer unique solutions to the challenges facing the fluids industries. In doing this, Parker Filtration has developed the most comprehensive range of filtration and fluid condition monitoring products possible.

The goal of Parker Filtration is to continue this unique support and to invest heavily in research and development to continue to stay one step ahead of the competition.

This schematic is intended to show how Parker Filtration products are working together to provide customer solutions in many industries today.

Key:
- Problem / Situation
- Solution

When you are protecting your system, excellence should be the standard.

To achieve excellence Par<>Fit™ is the comprehensive solution. Par<>Fit™ offers a single source for all of your replacement filter elements worldwide to eliminate the worry of choosing between paying top prices or settling for uncertain quality. The Parker Filtration name is synonymous throughout the hydraulic industry for quality and service. Now, through offering a comprehensive range of filter elements, carefully designed to be interchangeable with leading competitors’ products you are assured of service, global support and commitment when purchasing your replacement elements.
The Parker Filtration training programme is both comprehensive and easy to understand. It is designed to offer a full and instructive understanding of how fluid systems work, how to keep them in good working order and how to ensure their ongoing effectiveness.

Parker Filtration look at how the work they undertake impacts on surroundings and show you how to select the most effective and socially acceptable method of solving your problems. The training programme is delivered in modules and is presented over a number of days.

### Filtration Technology (Part 1)
1. Contamination Basics
2. Contamination Types & Sources
3. Filter Media Types, Ratings & Selection
4. Filter Maintenance
5. Fluid Cleanliness Standards
6. Types & Locations of Filters
7. Filter Housing Selection
8. Application Exercises
9. A comprehensive day spent with condition monitoring products

### Filtration Technology (Part 2)
Modern fluid systems, common problems & popular solutions, using modern contamination control technology, including:
1. Contamination Basics
2. Media Migration
3. Laws & Principles
4. System Fluids
5. Hydraulic Systems
6. Control Products
7. Barrier Filtration
8. Application Exercises
Individual Workshops

One of Parker Filtration’s primary strengths is an ability to work with customers to produce specialist cataloguing for products, this helps ensure market penetration is maintained.

Working with customers by offering in-house exhibitions of Parker Filtration capabilities helps ensure close customer relationships are maintained.

Developed to meet the needs of individual companies or situations, Parker Filtration one day workshops are designed to be informative and interactive. Set to meet the level of those attending, Parker Filtration can meet the training needs of all customers.

Fluid Condition and Contamination Monitoring Equipment - Icontrol PD

Parker Filtration’s hydraulic filter solutions include (1) ParTrap automatic back-flushing oil filters, low pressure filter series such as the (2) TankTopper and medium pressure filters such as the CN Series (4). The Guardian portable filtration system (3) is a proven and dependable product to transfer and filter clean and used oil.

For details of the full Parker Filtration product range, Email: filtrationinfo@parker.com