PARKER HANNIFIN FILTRATION GROUP

May 3, 2023

NAME
Title

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PARKER HANNIFIN CORPORATE OVERVIEW

GLOBAL LEADERSHIP

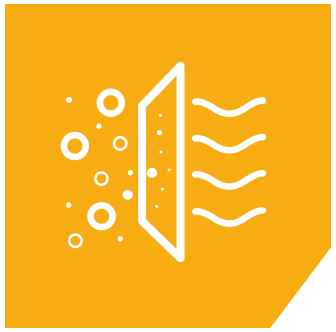
Core Motion Control Technologies



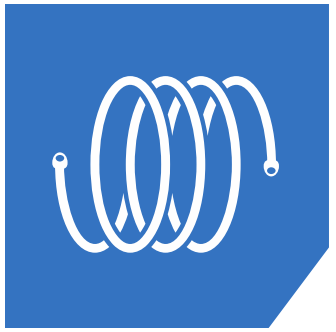
AEROSPACE



ENGINEERED MATERIALS



FILTRATION



FLUID CONNECTORS



INSTRUMENTATION



MOTION SYSTEMS

GLOBAL LEADERSHIP

Trusted All Over the World

104 countries served

100 divisions

13,000 distribution locations

57,000 employees

292 manufacturing locations



FILTRATION GROUP OVERVIEW

Our Filtration Group Purpose

To protect and to purify for our customers' toughest applications with diverse solutions.

PROTECT

Our filtration technologies ensure the efficiency, health and safety of your equipment, all while extending its lifecycle.

PURIFY

Our world-class filters deliver the purest results possible. Advanced technologies, materials, and manufacturing processes ensure every output is free from contamination.



DELIVER NEXT GENERATION TECHNOLOGIES



DEVELOP TALENT WITH A BIAS FOR ACTION



NEVER FAIL A CUSTOMER



BE THE SAFEST PLACE TO WORK

What guides our success?

Parker's Filtration Group strives to constantly innovate ways to work smarter, faster, and cleaner. Innovation is part of the reason Parker customers repeatedly turn to us for solutions that precisely fit their filtration needs.



Customized solutions



We work with you to gain an understanding of your unique challenges—resulting in solutions that address your specific needs.

- Application engineers integrate with your team, offering unrivaled experience
- Ongoing support to seamlessly resolve any issues as they arise
- Constant research and development investments to stay on the cutting edge of processes and technologies

Global strength, local focus

64
MANUFACTURING FACILITIES GLOBALLY

24
HOUR PER DAY PRODUCT SHIPMENT

38
TECHNOLOGY AND R&D CENTERS

3000+
DISTRIBUTORS

Innovation Center

The Parker Filtration Innovation Center houses the research and development for all Parker Hannifin Filtration products. Parker has dedicated 82,000 square feet of space solely to the development of new filtration technologies and proprietary manufacturing processes—this is the largest in the nation.





FOCUS MARKETS

Markets

PROTECTING AND PURIFYING FOR OUR CUSTOMERS' TOUGHEST APPLICATIONS:

- Aerospace and Defense
- HVAC
- Transportation
- Construction, Mining, and Agriculture
- Power Generation
- Oil and Gas
- Industrial Manufacturing
- Life Sciences
- Food and Beverage
- Chemical Processing

Aerospace and Defense

Parker works to provide safer air travel by eliminating contaminants from fuel and ensuring the purity of critical fluids to protect onboard systems and components.

Parker also mitigates fire risk in fuel storage and safeguards clean cabin air for passenger comfort and safety.

The military has relied on Parker Filtration for decades to provide water for safe consumption and high purity applications. We are proud to support the men and women who serve.



HVAC

Parker delivers product solutions that provide clean environmental air for commercial, industrial, and institutional applications. We ensure pure air anywhere from office buildings, hotels, hospitals, industrial manufacturing plants, and poultry farms, to critical manufacturing environments for electronics, food and beverage, and pharmaceuticals.



Transportation

Parker provides fuel, oil, air, and lubrication filtration solutions to just about anything that moves. From boats and race cars to heavy duty trucks, locomotives, and commercial marine ships—we work to protect the critical systems and components that keep vehicles moving and performing at their best.



Construction, Mining, and Agriculture

Parker handles the filtration of the widest range of fluids, including fuel, oil, engine air, cabin air, lubrication, and coolants. This enhances the performance and longevity of machinery and equipment. Parker provides clean environmental air for the safety and comfort of the mobile equipment operators as well.



Power Generation

Parker optimizes performance while minimizing operating costs and maintenance for a wide range of power generation assets from backup generators, air compressors, and transformers to large diesel and natural gas-powered engines, wind and gas turbines.



Oil and Gas

Whether oil and gas are captured upstream, midstream, or downstream, Parker ensures that customers have contaminant-free fuel and lubrication fluids to efficiently operate and protect onsite assets, clean water for safe discharge, on-demand nitrogen to mitigate the threat of spark events during leak tests, pipeline transmission and storage, and available purified water for consumption.



Industrial Manufacturing

Parker provides the widest range of filtration solutions to automotive, steel, and other industrial manufacturers.

Parker ensures clean and dry compressed air for pneumatic tools, as well as breathable air inside plants and safe outdoor emissions for responsible sustainability.

Harmful contaminants are removed from the fluids used in hydraulic and lubrication manufacturing equipment for optimal performance and life.



Life Sciences

Parker offers pharmaceutical customers innovative and flexible fluid management filtration, sensing and automated systems solutions. We offer an economical method to ensure purity and safety in single-use, biopharmaceutical research, and manufacturing processes.

Parker also provides on-demand lab gas generation solutions used in laboratory research and development and other diagnostic applications.



Food and Beverage

With Parker purification and process filtration solutions, we ensure that beer, wine, soda, bottled water and dairy product manufacturers produce consistent, high-quality products with only the desired ingredients.

We provide on-demand nitrogen generation solutions to replace air in packaged food and beverages to ensure freshness and improve taste.



Chemical Processing

From removing contaminants in the pipeline transmission of oil and gas to ensuring the purity of constituents used in refining and chemical processes, Parker provides a broad range of filtration and separation solutions. Parker's solutions help customers obtain their ideal end products in petrochemical, polymer, textile, bulk fuel, paints, inks, coatings and other chemical manufacturing applications.



PRODUCTS
& TECHNOLOGIES

Technologies

With one of the largest product portfolios in the world, Parker serves customers with world-class solutions for technology platforms including:

- Engine and Mobile
- Hydraulics and Lube
- Industrial Air
- Process Liquids and Water







FUEL FILTER AND WATER SEPARATOR

Engine and Mobile

- “Green” disposable filters
- Leading marine fuel solutions
- Hand primer, electric or smart pump fuel primer
- Fuel delivery systems
- Custom module options
- Wide range of aftermarket filter element options







OIL AND COOLANT FILTRATION

Engine and Mobile

- Liquid filtration products
- Top load
- High efficiency
- Wide range of aftermarket filter element options



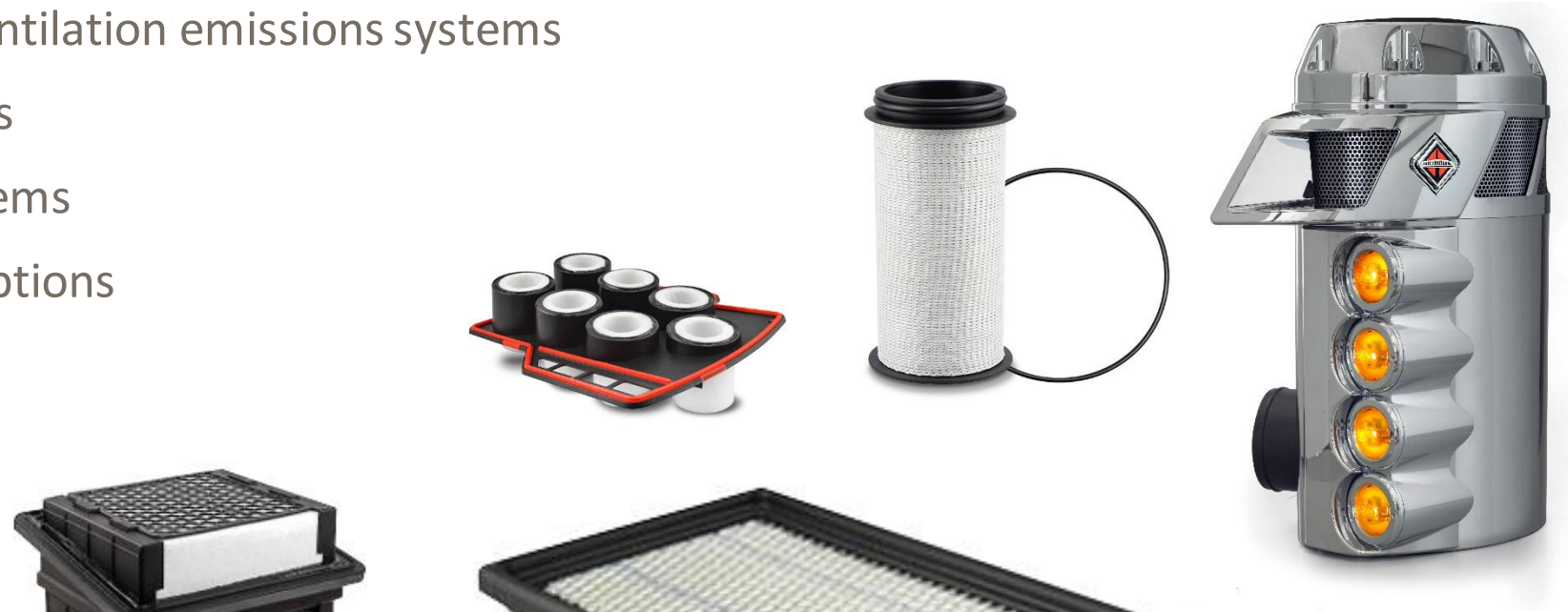




CCV/AIR INTAKE/EXHAUST/CABIN AIR FILTRATION

Engine and Mobile

- Super impactor crankcase ventilation emissions systems
- Engine air and cabin air filters
- Heavy duty air filtration systems
- Aftermarket filter element options





HYDRAULIC FILTRATION

Hydraulics and Lube

- Hydraulic filters
- Portable filter carts
- Vacuum dehydrators
- Réservoir accessories
- Coolers
- Premium hydraulic oil





LUBE FILTRATION

Hydraulics and Lube

- Tier IV lube filters
- Low pressure filters
- High flow duplex filters



CONDITION MONITORING

Hydraulics and Lube

- Inline particle counter
- Bottle sampler
- On-site used oil analysis
- Wear debris sensors
- Oil sensors
- Viscometers







GAS TURBINE FILTRATION

Industrial Air

- Inlet air filters and systems
- PRO technology and performance monitoring
- Energy and electric utilities
- Oil and gas installations
- Mobile power
- Mechanical drives







POLLUTION CONTROL

Industrial Air

- Baghouse dust collection filters and accessories
- HVAC filters
- Weld fume collection
- Oil/water mist collectors
- Conveyor solutions
- Industrial dust collectors
- Specialty filtration fabrics and membranes
- Full service crews: inspections, bag testing, and filter installs









GAS FILTRATION AND SEPARATION

Industrial Air

- Compressed air and gas filters
- Compressed air dryers
- Chillers
- Gas generators
- Instrumentation filters
- Purified CO2



AEROSPACE/AVIATION

Process Liquids and Water

- Ground fuel filters and coalescers
- On-board cabin air and avionics filters
- On-board galley and waste tanks
- On-board fuel, lube and hydraulic filters
- HEPA filters



LIFE SCIENCES

Process Liquids and Water

- Single use sensors
- Bioprocessing systems
- Liquid, gas, and crossflow filters
- Laboratory systems
- Over molded manifolds and bioprocess containers
- Liquid and sterile gas integrity testers



WATER

Process Liquids and Water

- Pre-RO filtration
- Water purification systems
- Reverse osmosis systems
- Ultra and nano filtration
- RO cartridges
- High pressure titanium pumps



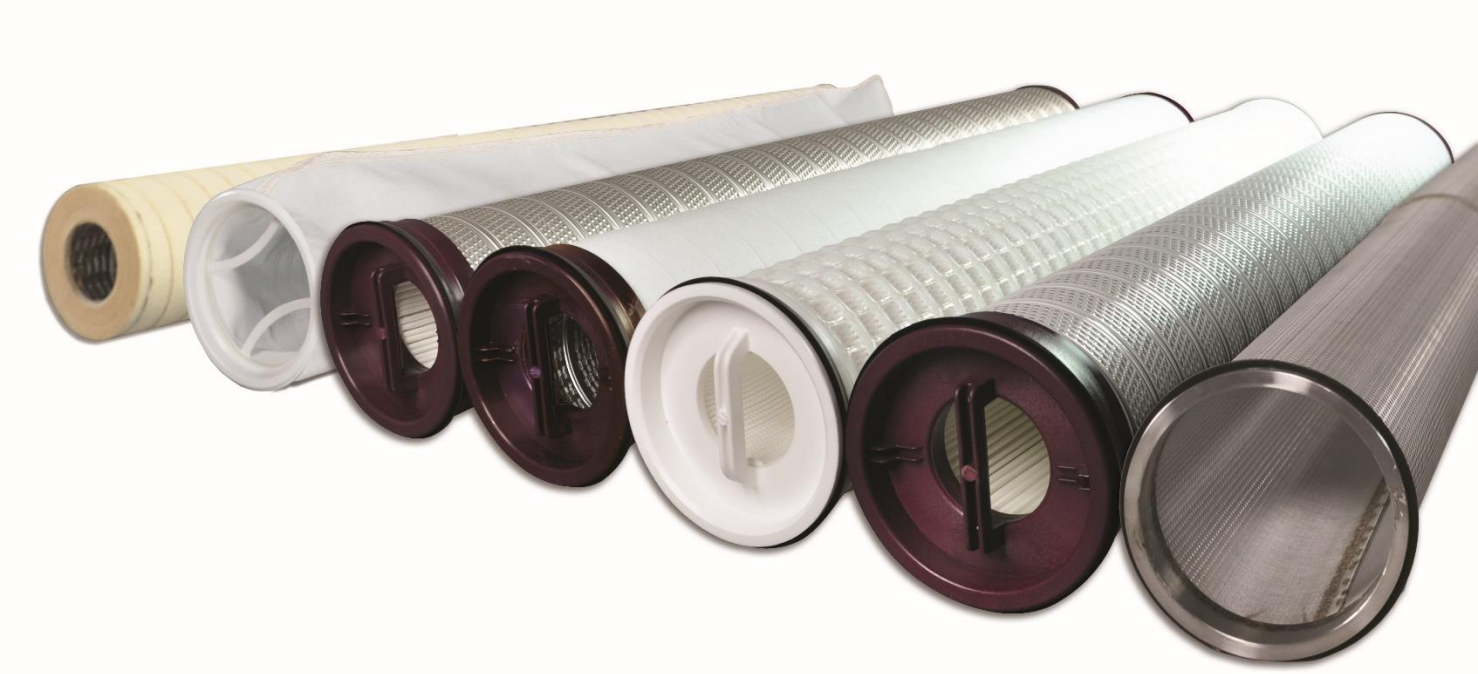




OIL AND GAS

Process Liquids and Water

- Dry gas filters
- Gas separators and scrubbers
- Gas coalescers
- Liquid filters
- Liquid/liquid phase coalescers
- Carbon absorption filters
- Systems
- Filter cartridges and bags



FOOD AND BEVERAGE

Process Liquids and Water

- Liquid filter cartridges and bags
- Filter housings
- Liquid and gas integrity testers
- Compressed air filters
- Cross flow separation cartridges





INDUSTRIAL

Process Liquids and Water

- Liquid filter cartridges, bags, and strainers
- Sorbent filter cartridges
- Metallic filter cartridges
- Liquid filter housings
- Cross flow separation cartridges



THANK YOU

EMAIL
PHONE NUMBER