Aerospace Market
Filtration Products & Solutions
Filtration is the technology of purifying solids, liquids and gases. Parker’s Filtration Group designs, builds, and supports filtration systems applicable to every aircraft flying today. With extensive engineering expertise in motion and control, market-leading breadth of product, and unequaled global distribution, Parker provides innovative components and complete systems to customers worldwide. Parker partners with customers to improve their productivity and profitability. We work to engineer your success. Detailed are a selection of the Parker filtration products and systems used in the aerospace and aviation industry.

**High Speed Tyre Fillers**

Parker knows that total reliability is important to you. Using high quality compressed air to supply MAXIGAS nitrogen generators ensures long and trouble free service and guarantees optimum performance of aircraft tyres.

Nitrogen generators from Parker utilize patented hollow fiber membrane technology. For higher flow rate applications, MAXIGAS can be multibanked to offer the most cost effective solution as your gas requirements increase.

**Automatic Particle Counters**

Automotive Particle Counters have become flexible enough to enable the instruments to be taken out of the laboratory to obtain the most credible form of results. The LCM (hydraulic) and ACM (fuel) feature a microprocessor controlled optical scanning for accurate contaminant measurement and read-out/reporting.

**Inerting System**

Parker’s leadership in fuel inerting development is reflected by our patented and patent-pending technology. Parker supports a broad international array of both commercial and military programs with expert fuel tank inerting. Parker’s unmatched expertise in the design, manufacture, integration, and support of fuel systems enables it to bring fuel inerting systems to market quickly and cost effectively. Our extensive experience in aircraft fuel systems combines with specific inerting equipment expertise to create a competitive edge. The heart of the system is the patented hollow fiber membrane technology.

**Filtration Systems**

Racor Hydraulic Fluid Transfer Systems are the ideal way to prefilter and transfer fluids into reservoirs or to clean up existing systems. Fluid should always be filtered before being put into use. New fluid is not necessarily clean fluid. Most new fluids are unfit for use due to high initial contamination levels.

**Filter Cartridges**

Racor Horizontal Fuel Monitor Vessels and Monitor Elements will absorb and reduce free water in fuel to <15 ppm as well as providing high filtration efficiency. Monitor cartridges are qualified to EI 1583 4th Edition. Vessels are in use globally to offer a final filtration and water retention means for jet fuel.

Racor Hydrcarbon FWS series vessels use a 2 stage separation system. The first stage coalesces the fuel/water emulsion by means of high efficiency filter media combined with a resin impregnated fiberglass coalescing shell. The second stage uses a hydrophobic separator as a water drop barrier, allowing the clean dry fuel to pass. A full range of standard and 1581 5th Edition qualified combinations are available in any flow rate.

Racor is a qualified supplier of API/RI (IP) 1581 and military standard aviation fuel coalescers and separators, EI 1583 monitors and API/RI (IP) 1580 microfilter cartridges. Racor aviation fuel filtration systems are used by customers worldwide to assure the delivery of clean, dry fuel.

**Racor Hydrocarbon FWS series vessels**

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**Racor Hydrocarbon FWS series vessels**

For ground support equipment, we offer fuel, oil, air, hydraulic, and emission reduction filtration solutions. Racor filtration systems are competitively priced to allow users to fulfill all of their filtration needs from one quality source.

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Offering versatility, these filter vessels will accept a wide range of Microfilters, Coalescers/Separators and Monitor cartridges. The vessels are particularly targeted at medium volume fuel delivery systems, and offers an economical solution to fuel delivery filtration requirements. Includes elements service indicator and water-in-fuel (WIF) sensor.

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**Detailed**

- **High Speed Tyre Fillers**
- **Inerting System**
- **Automatic Particle Counters**
- **Filtration Systems**
- **Filter Cartridges**