Racor Lubrication Filtration Technology

Applications:

The New Generation of Top-Load Oil Filters

A permanent assembly houses both the Racor top-load oil filter and top-load fuel filter. The top-load filters meet the requirements of today’s oil-controlled, high pressure fuel injection systems. Racor media meets the variable geometry and variable nozzle turbocharger requirements. An uncompromising, high level of fluid cleanliness is needed to achieve operating efficiency and reach service life. The environmentally-friendly cartridge oil filters are crushable, incinerable and cost-effective to replace.

Filter service is from the top of the module and skin contact is minimal due to the unique screw top cap and oil element attachment. The permanent assembly is customized with a patented automatic drain that allows oil to drain back into the sump when the engine is turned off and the screw top cap is removed for service.

This Racor-engineered feature eliminates the waste oil that is left in a standard spin-on filter and thrown away during a filter change.

The top-load oil conditioning module is a prime example of value-added Racor engineering that tailors a filtration system to a specific engine working in a broad range of environments. Development includes detailed analysis of the engine’s filtration requirements, change intervals, available mounting space and a cost analysis of the entire program. Racor’s investment in rapid prototype equipment provides fit-up assemblies to facilitate the development process.

Applications:
- Generator Sets
- Stationary Engines
- Marine Vessels
- On-Highway Trucks
- Off-Highway Equipment

Engineered Lube Media Research and Development

Just as the filter element is at the heart of the system, so too is media research and development at the heart of Racor engineering programs. Racor is of course renowned for its fuel filtration and patented Aquabloc® media. In oil, development programs are equally advanced and testing equally rigorous.

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**Bypass Oil Series**

The Racor Bypass Oil Series removes dirt, varnish, ash, tar, soot and other contaminants that full-flow filters cannot remove from your engine’s oil and hydraulic systems. The system also removes condensed water, which forms component-damaging acids if left in the oil.

The Racor Bypass Oil Series removes damaging contaminants to minimize wear and extends engine component life. The Racor bypass element has a 1 micron nominal rating.

The polishing effect of the Racor Bypass Oil Series and the use of the Racor Oil Analysis system will allow the engine oil or hydraulic fluid service intervals to be extended. By reducing the disposal of waste oil, the system also contributes to preserving the environment.

**Hydraulic Fluid Filtration**

**Water-Absorbing Hydraulic Filters**

Racor water-absorbing hydraulic filters feature a specially designed media that traps not only solid contaminants like dirt and rust, but damaging water as well. Water absorbing spin-on hydraulic filters are available for virtually any application and are available in a 10 micron nominal rating.

**Resin Impregnated Cellulose Filters**

Racor resin-impregnated hydraulic filters include media that traps solid contaminants like dirt and rust and as it repels water. Resin-impregnated hydraulic filters are available for virtually any application and are available in a 10 micron nominal rating. **Bulletin No. 7376**

**Hydraulic Filter Cart**

Racor Hydraulic filter cart is 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. **Bulletin No. 7768**

**ParFit™ Hydraulic Elements**

The competitively priced ParFit™ hydraulic elements are interchangeable with OEM and aftermarket elements to allow users to acquire all their replacement elements from one quality source. **Bulletin No. 7729**

**Automatic Transmission Fluid Filtration**

**Filter Kit**

- Extend Transmission Life
- Extend Service Intervals
- Reduce Maintenance Costs

**Overview**

- The Racor LFS 23825 automatic transmission filter kit includes the hardware, fittings and mounting bracket for a simple installation.
- The spin-on filter element is manufactured with synthetic media specifically designed for transmission fluid use.

**Transmission Fluid Filtration**

**Allison Transmission Replacement Elements**

Racor quality replacement filter elements for the Allison automatic transmissions, meet or exceed original equipment manufacturers specifications. Racor filters utilize special cellulose and fiberglass media combined with wire reinforcements, to combat the transmission pressure surges and the heat buildup automatic transmissions face in the field.

**BF L2016**

The PF L2016 oil filter replacement element kit services the engine mounted top-load oil filter on the Ford Power Stroke® 6.0L and 6.4L diesel engines (model year 2003–current). The PF L2016 filter incorporates Racor engineered filter media, designed to meet stringent OEM performance requirements at a competitive price. The PF L2016 oil filter is an environmentally friendly cartridge that incorporates the Racor patented “key” that guarantees that the PF L2016 conforms to all OEM specifications. **Bulletin No. 7339**

**Bypass Oil Filter Kits**

The Racor Bypass Oil Filter Kit comes complete with all hose and fittings required for a simple installation. The filter is mounted using the heavy duty bracket which is supplied. The oil supply is easily taken from the engine by means of the unique Racor machined and anodized components. The oil is returned to the crankcase by the machined and anodized filter cap or drain plug adapter. The adapter and all connectors are included in the Racor kit.

**Overview**

- Application
- Model Year
- Dodge/Cummins 5.9L
  - Thru 1999 and 2002, Drain Plug Return
- Dodge/Cummins 6.7L
  - Thru 1999 and 2002, Drain Plug Return
- GM Duramax 6.6L
  - All Models
- Ford 6.0L
  - Thru 2003 to Current
- Ford 7.3L Oil and IDI Engine
  - Thru 1999 and 2002

**Bulletin No. 7637**

**Installation Guide No. 14374**

**Contact Information:**

Parker Hannifin Corporation
Racor Division
P.O. Box 3208
3400 Finch Road
Modesto, CA 95353
phone 800 944 2936
209 921 7880
fax 209 529 3278
racor@parker.com
www.parker.com/racor
www.parker.com/racorproducts