

Direct Spin-On LFS

With Racor Lubrication Filtration Systems you can save your engines, save time, save money and even help save the environment. The revolutionary Full-Flow Cleanable Series is available in configurations that spin directly onto existing engine mounting heads or in remote-mount models. They replace lube oil and other filters with a cleanable stainless steel wire cloth filter. As standard equipment, an integral service indicator light signals the operator that the reusable filter has reached capacity. A quick wash-up in solvent or aqueous solution and you're back in service.

Full-Flow Series Benefits

- 1 No more disposal worries
- 2 Eliminates filter inventory
- 3 Valuable diagnostic tool
- 4 Extends engine life
- 5 Quick and easy maintenance
- 6 One-time investment
- 7 Full-Flow with built-in bypass
- 8 Indicator Light signals the need for service

The Racor Spin-On oil filter threads directly onto virtually all engine lube oil heads. Clean-up of the reusable wire cloth filter is straightforward; simply remove the oil filter drain plug in the bottom of the filter end cap to drain dirty oil. Then unscrew the filter end cap and drop the dirty filter screen out, clean and replace. It's the fastest, most innovative and environmentally friendly oil filter change in the business.



LFS 7000 Series

Combination Cleanable/Bypass Series

Extended oil drain intervals* are now possible with the new Racor LFS 7000 Series Combination Oil Filter. Servicing of the element is a simple and straightforward process, thanks to a removable end cap with drain plugs. All of this, in addition to longer engine life because of the one micron high efficiency bypass filter.



* Extended oil drain intervals may be possible when used with oil analysis.



Spins directly onto existing filter heads. LFS spin-on models are available for most engines, see chart below.

The rugged heat-treated aluminum housing is designed for years and years of service. A high-quality anodized finish means it will not rust or corrode.

Stainless steel wire cloth with special co-pleat design for durability, efficiency and long life.

(Shown: LFS 700 dual element, wire cloth filter for Cummins engines using LF3000 combination Full-Flow/Bypass filter).



Ten Minute Delay Service Filter Indicator (Optional) LFS RK 46134.

Standard light feature (on LS models only) signals when it's time for service and eliminates unnecessary downtime.

Direct Spin-On Full-Flow Application Guide

Application: Racor Filter Assembly:	Cummins LFS 700LS	Cummins/Detroit LFS 703LS LFS 703CO	Detroit LFS 705LS KT LFS 705CO	Caterpillar LFS 707LS KT LFS 707CO	Isuzu LFS 710LS LFS 710CO	Caterpillar LFS 712LS LFS 712CO	International- LFS 714LS	International- FORD LFS 718LS LFS 718CO
	All Engines (using LF-3000 B/P Filter element) L10, M11 NT Big Cam IV Series QSK19	C Series, L10, Big Cam IV, 230, 240, NTC-250, 290, 300, 350, 355, 370, 400 All KT All 53, 71, 6v92, 149 Series and Pre-1996 Series 60	Series 50 & 60, 1993 and on*	3116, 3208T, 3304, 3306 3126 MACK TRUCK EM-6, EN ENDT, EM-7* Volvo FLT	Mitsubishi FK & FM Series Truck GMC / Isuzu FVR with 8.4 Ltr. Volvo With John Deere 744E Industrial Isuzu Engine	3176, 3406, 3408, 3412, C-10, C-12, C-15 C-16	DT-466, 1994 and on	6.9L IDI, 7.3L IDI, 7.3L DI Power Stroke T444E

Filter Reference Data Cross-Over

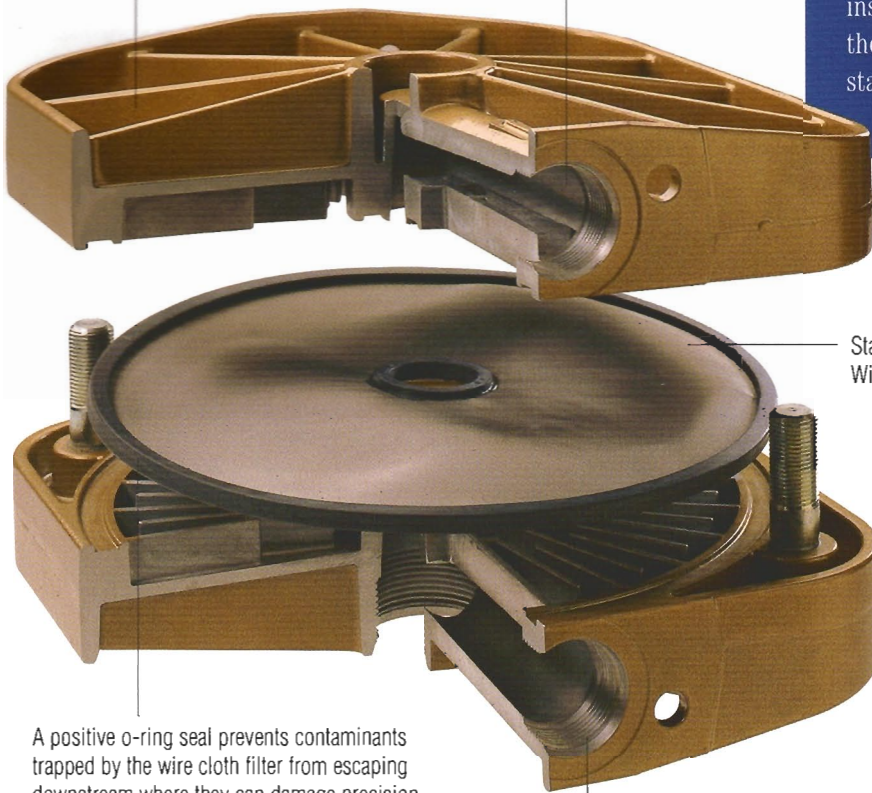
Fleetguard Fleetguard	LF-3000	LF670 LF3363 [^]	LF3620 ^{^^} LF3671 [^]	LF667 LF3379 [^]	LF777	LF691A LF3566 [^]	LF3640~	LF3344 LF3630
Baldwin Baldwin	BD103	B95-MPG [^] B196	B495 ^{^^}	B7600 B75	B7019	B99	B7030	B134 B7039
Wix Wix	51748	51812 [^] 51970	51971 ^{^^}	51791 51788 [^]	51728 51749	51792 51722	51799	51742 51734
Cummins	3318853	3313279						
Caterpillar Caterpillar				1R0739 1R0714		1R0716		
Detroit		23518524	25014504					
Isuzu					11324010521			
Mack				485-GB-3191				
International**							1819452-C1	1804442C1
Thread Size	2-1/4 x 12 UN	1-1/2 x 12 UN	1-5/8 x 12 UN	1-1/8 x 16 UN	1-3/8 x 16 UN	1-1/2 x 16 UN	M36 x 1.5	1-1/2 x 16

* Some Series 50 and 60 Detroit Diesel engines and some Mack engines use 2 filter assemblies. The LFS KT Kit provides 2 filter assemblies. ** Formerly Navistar

[^] 3406C - 3176/22 psi [^] High-efficiency/Upgrade synthetic media ^{^^} Requires 2 Filter assemblies ~ No By-pass in this filter

The rugged die cast aluminum construction is designed for years and years of service. A high-quality powder coated finish means it will not rust or corrode.

Oil/Fluid In.

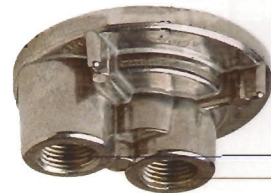


Stainless Steel Wire Cloth Filter.

A positive o-ring seal prevents contaminants trapped by the wire cloth filter from escaping downstream where they can damage precision components. When the filter requires service, the service indicator light alerts the operator.

Oil/Fluid Out.

A bypass relief valve lowers the restriction when the wire cloth filter is plugged. Warning light is included.



Adapter to engine threads not shown.

Port threads.



	LFS35	LFS60	LFS90
Maximum Flow Rate	6 gpm	20 gpm	45 gpm
Maximum PSI	150 PSI	150 PSI	150 PSI
Height	2.45" / 62.3 mm	3.50" / 89.3 mm	4.75" / 120.7 mm
Width	3.63" / 92.1 mm	6" / 152 mm	9.62" / 244.4 mm
Depth	3.63" / 92.1 mm	6" / 152 mm	9.50" / 241.3 mm
Weight	1.21 lbs / 55 Kg	4.31 lbs / 1.95 Kg	10.6 lbs / 4.8 Kg
Ports	3/8" NPT	1 1/16" - 12 (SAEJ1926)	1 5/16" - 12 (SAEJ1926)
Micron Availability	28, 40	28, 40, 60, 115	28, 40, 60, 115
Service Indicator Light	Yes	Yes	Yes
Hose Kit	LFS35HK	LFS60HK	LFS90HK

Remote-Mount LFS

The Racor Remote-Mount LFS is ideal for marine applications because it can be conveniently located for easy service. Once installed, the remote-mount LFS eliminates the need to reach inaccessible on-engine standard oil filters.

Spin-On Oil Filter Adapter & Replacement O-Ring Kits

Complete Part No. Kit	Replacement Seal Kit* Part No.	Adapter to Engine Threads	Adapter In/Out Port Threads
LFS CHV-A	N/A	1/4"-20(2) 5/16"-18(2)	1/2"-14 NPTF
LFS 112-36A	RK 46189	1"-12	1/2"-14 NPTF
LFS 11212-48A	RK 46045	1 1/2"-12	1 5/16"-12 SAE
LFS 11216-41A	RK 46170	1 1/2"-16	1/2"-14 NPTF
LFS 11216-48A	RK 46045	1 1/2"-16	1 5/16"-12 SAE
LFS 11216-50A	N/A	1 1/2"-16	1 5/16"-12 SAE
LFS 116-36A	RK 46189	1"-16	1/2"-14 NPTF
LFS 11816-36A	RK 46189	1 1/8"-16	1/2"-14 NPTF
LFS 11816-48A	RK 46045	1 1/8"-16	1 5/16"-12 SAE
LFS 1316-36A	RK 46189	1 3/16"-16	1/2"-14 NPTF
LFS 13816-48A	RK 46045	1 3/8"-16	1 5/16"-12 SAE
LFS 15812-48A	RK 46045	1 5/8"-12	1 5/16"-12 SAE
LFS 1815-31A	RK 46189	18 mm x 1.5	1/2"-14 NPTF
LFS 2015-31A*	RK 46189	20 mm x 1.5	1/2"-14 NPTF
LFS 2015-36A	RK 46189	20 mm x 1.5	1/2"-14 NPTF
LFS 2015-31A	RK 46189	22 mm x 1.5	1/2"-14 NPTF
LFS 3416-31A	RK 46189	3/4"-16	1/2"-14 NPTF
LFS 5818-31A	RK 46189	5/8"-18	1/2"-14 NPTF

*O-ring or gasket should be replaced if adapter is removed from engine, after being in service. RK 46169: Gasket, 2.48" I.D. RK 46045: O-ring, 3.73" I.D. RK 46170: Gasket, 3.10" I.D.