



REPLACEMENT RACOR CCV/FBO

Hebei Sinft Filter Co.,Ltd.

- Crankcase Ventilation System Replacement Elements
- Replacement Cartridge Filter Elements

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BRIEF INTRODUCTION OF ENTERPRISE



HISTORY

SINFT is located in Shijiazhuang City, Hebei Province, covering 26,658 m². We was established in 2007, Now we has become an excellent manufacturer of brand-compatible spare parts in the industrial filtration and spraying fluid delivery industries with 16 years of experience accumulation and precipitation .

PRODUCT CATEGORY

- High Pressure Filter Elements
- Low Pressure Filter Elements
- Hydraulic Filter Elements
- Stainless Steel Filter Elements
- Pipeline Basket Strainer (simplex&Duplex)

VISION & MISSION

SINFT vision: High-quality, future-proof products and solutions with customer service for any need at any time. Everything we do starts with a specific need which represents our true mission. It drives us to continuously improve and build trust with our customers.

CERTIFICATION

SINFT certifications: ISO 9001:2015,CE, EPR and others.

- Replacement filter elements for over 200 brands
INDUFIL, PALL, HYDAC, HILCO, BOLL&KIRTCH, MOATTI, FILTREC, INTERNORMAN, PARKER, SF, STAUFF, HIFI MP, VICKERS, DONALDSON, MP, ARGO, REXROTH, HY-PRO, EA-TON, TAISEIKOGYO, EPE etc.

PRODUCTION

SINFT produces high quality accessories and spare parts compatible with major brands in the world market with much competitive prices. We use advanced, professional, automated and precise equipment to escort the orders, and our professional quality department from the operator to the precise control system of the machine which all ensure the safety and reliability of the quality.

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CRANKCASE VENTILATION SYSTEM REPLACEMENT ELEMENTS

SINFT replacement CCV

SINFT replacement Racor Crankcase Ventilation (CCV) System replacement elements, to remove oil contamination from engine bypass gases before they damage critical engine components and surrounding equipment.

SINFT replacement CCV filter elements are available in three different filtration grades to meet the unique requirements of customer systems. They include:

-High efficiency elements - Used for most open and closed crankcase system applications.

-Ultra-high efficiency elements - Used in closed crankcase systems where the engine has higher blow-by and over 5000 hours of run time.

Model	Filtration Ratings	Product Series	Filter Housing Series	For Fluid Type
CCV55222-08	High: for Open and Closed Systems	Cartridge Crankcase Ventilation, CCV8000, CCV8001, CV80001	8000	Engine Blowby Gas
CCV55222-10	Ultra: for Closed Systems	Cartridge Crankcase Ventilation, CCV8000, CCV8001	8000	Engine Blowby Gas
CCV55222-12-08	High: for Open and Closed Systems	Cartridge Crankcase Ventilation, CCV12000, CCV12001, CV12001	12000	Engine Blowby Gas
CCV55222-12-10	Ultra: for Closed Systems	Cartridge Crankcase Ventilation, CCV12000, CCV12001	12000	Engine Blowby Gas
CCV55248-04	Low: for Closed Systems	Cartridge Crankcase Ventilation, CCV4500, CCV4501	4500	Engine Blowby Gas
CCV55248-08	High: for Open and Closed Systems	Cartridge Crankcase Ventilation, CCV4500, CCV4501, CV4501	4500	Engine Blowby Gas
CCV55248-10	Ultra: for Closed Systems	Cartridge Crankcase Ventilation, CCV4500, CCV4501	4500	Engine Blowby Gas
CCV55274-08	High: for Open and Closed Systems	Cartridge Crankcase Ventilation, CCV6000, CCV6001, CV6001	6000	Engine Blowby Gas
CCV55274-10	Ultra: for Closed Systems	Cartridge Crankcase Ventilation, CCV6000, CCV6001	6000	Engine Blowby Gas
CCV55365-04	Low: for Closed Systems	Cartridge Crankcase Ventilation, CCV1500	1500	Engine Blowby Gas

SINFT Replacement CCV Cross Reference



ENGINE AIR FILTRATION CROSS REFERENCE

Racor	CAT	Cummins	Deere	Detroit Diesel	Kohler	Navistar	Perkins	Scania	Waukesha
CCV55248-04	308-9305								
CCV55248-08		4019745	RE502284		GM32404	GDTCCVFE 01		1541853	
CCV55248-10			RE532660			GDTCCV 5524810			
CCV55274-08	163-7344		RE530346			GDTCCVFE 03			489604
CCV55274-10	274-7913						CH11974		
CCV55222-08	164-6735			23540786			SEV122/2		489605
CCV55222-10	275-2276								
CCV55222-12-08									490078
CCV55222-12-10	354-1381								

Application and advantages of SINFT replacement CCV Cross Reference

Markets:

- Agriculture
- Construction
- Power Generation
- Oil and Gas
- On- or Off-highway



Advantages:

- Prevents fouling of critical engine components, such as turbochargers and after-coolers by removing oil contamination from engine bypass gases.
- Eliminates crankcase emissions and provides a cleaner engine environment
- Reduces operating costs and improves safety in enclosed areas, where oil-laden gas from engines can coat and damage surrounding equipment, resulting in hazardous conditions and the need for costly maintenance.

Advantages:

- Utilizes depth-loading, micro-glass, fiber coalescing Vaporbloc™ media
- Compatible with various Racor CCV system filter housings (1500, 4500, 6000, 8000, 12000)
- Continuous operating temperature range -40° to 240°F (-40°C to 116°C)

CRANKCASE VENTILATION SYSTEM REPLACEMENT ELEMENTS

SINFT Replacement FBO

SINFT Replacement FBO Series Cartridges, They are available as water separators, silicone-treated particle removers, and water-absorbing filters, with ratings of 1, 5, 10, or 25 microns.

SINFT replacement FBO filtration assembly can be used on mobile refuelers or installed in refueling cabinets. The unit can also be used for diesel fuel dispensing pumps or as a primary fuel filter/water separator on large diesel engines.

SINFT replacement FOB cartridges are available in three options:

Coalescer/Separator - Coalescer/separator filters are a two-stage element that removes water and contaminants from diesel fuel streams.

Model	Fluid Type	Filter Element Type	Size	Micron Rating
FBO 60327	Diesel, Kerosene, Gas	Water Separator	10 in / 25.4 cm 6 in / 15.2 cm	1µm
FBO 60328	Diesel, Kerosene, Gas	Water Separator	10 in / 25.4 cm 6 in / 15.2 cm	5µm
FBO 60353	Diesel, Kerosene, Gas	Water Separator	10 in / 25.4 cm 6 in / 15.2 cm	10µm
FBO 60329	Diesel, Kerosene, Gas	Water Separator	10 in / 25.4 cm 6 in / 15.2 cm	25µm
FBO 60336	Diesel, Kerosene, Gas	Water Separator	14 in / 35.6 cm 6 in / 15.2 cm	1µm
FBO 60337	Diesel, Kerosene, Gas	Water Separator	14 in / 35.6 cm 6 in / 15.2 cm	5µm
FBO 60356	Diesel, Kerosene, Gas	Water Separator	14 in / 35.6 cm 6 in / 15.2 cm	10µm
FBO 60338		Water Separator	14 in / 35.6 cm 6 in / 15.2 cm	25µm
FBO 60330	Diesel, Kerosene, Gas	Silicone Treated	10 in / 25.4 cm 6 in / 15.2 cm	1µm
FBO 60331	Diesel, Kerosene, Gas	Silicone Treated	10 in / 25.4 cm 6 in / 15.2 cm	5µm

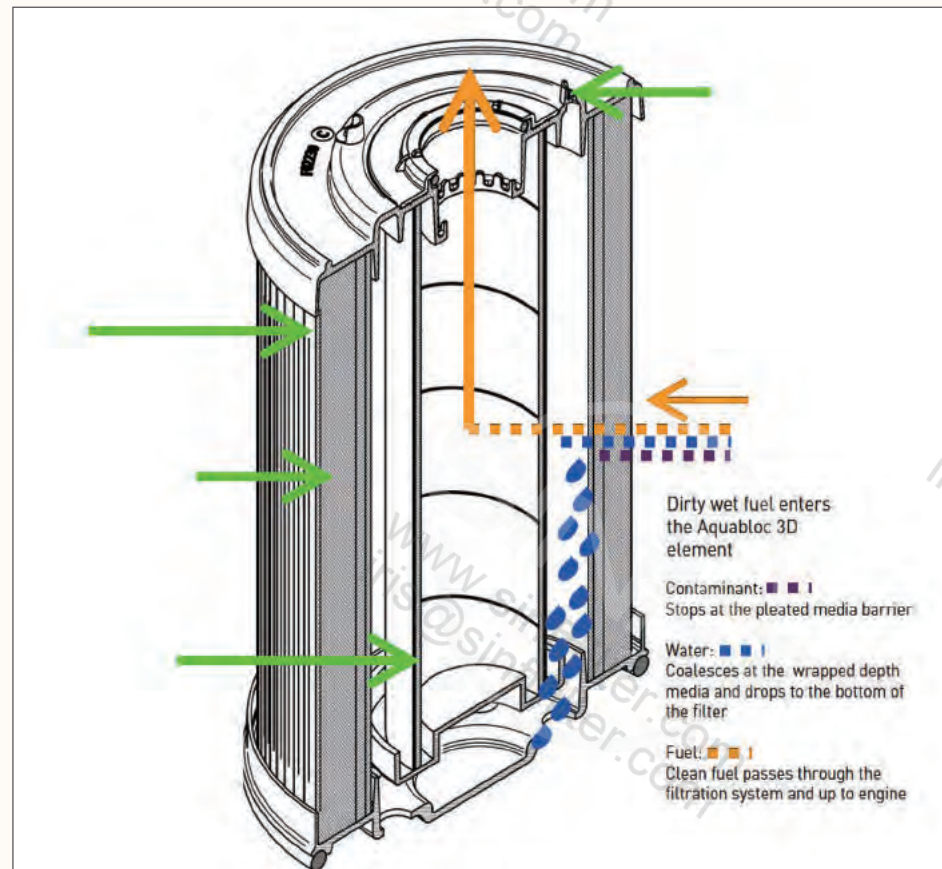
Model	Fluid Type	Filter Element Type	Size	Micron Rating
FBO 60354	Diesel, Kerosene, Gas	Silicone Treated	10 in / 25.4 cm 6 in / 15.2 cm	10µm
FBO 60332	Diesel, Kerosene, Gas	Silicone Treated	10 in / 25.4 cm 6 in / 15.2 cm	25µm
FBO 60339	Diesel, Kerosene, Gas	Silicone Treated	14 in / 35.6 cm 6 in / 15.2 cm	1µm
FBO 60340	Diesel, Kerosene, Gas	Silicone Treated	14 in / 35.6 cm 6 in / 15.2 cm	5µm
FBO 60357	Diesel, Kerosene, Gas	Silicone Treated	14 in / 35.6 cm 6 in / 15.2 cm	10µm
FBO 60341	Diesel, Kerosene, Gas	Silicone Treated	14 in / 35.6 cm 6 in / 15.2 cm	25µm
FBO 60333	Diesel, Kerosene, Gas	Water Separator	10 in / 25.4 cm 6 in / 15.2 cm	1µm
FBO 60334	Diesel, Kerosene, Gas	Water Separator	10 in / 25.4 cm 6 in / 15.2 cm	5µm
FBO 60355	Diesel, Kerosene, Gas	Water Separator	10 in / 25.4 cm 6 in / 15.2 cm	10µm
FBO 60335	Diesel, Kerosene, Gas	Water Separator	10 in / 25.4 cm 6 in / 15.2 cm	25µm
FBO 60342	Diesel, Kerosene, Gas	Water Separator	14 in / 35.6 cm 6 in / 15.2 cm	1µm
FBO 60343	Diesel, Kerosene, Gas	Water Separator	14 in / 35.6 cm 6 in / 15.2 cm	5µm
FBO 60358	Diesel, Kerosene, Gas	Water Separator	14 in / 35.6 cm 6 in / 15.2 cm	10µm
FBO 60344	Diesel, Kerosene, Gas	Water Separator	14 in / 35.6 cm 6 in / 15.2 cm	25µm
FBO 60363	Diesel, Kerosene, Gas	Advanced Coalescer	10 in / 25.4 cm 6 in / 15.2 cm	10µm
FBO 60364	Diesel, Kerosene, Gas	Advanced Coalescer	14 in / 35.6 cm 6 in / 15.2 cm	10µm

How To Work?

Stage 1: The fuel encounters a high capacity synthetic pleated particle filtration media. This unique pleated design maximizes the surface area, ensuring consistent flow, and delivering exceptional particle retention efficiency. As the fuel passes through the pleat pack, larger unwanted particles are removed.

Stage 2: Fuel passes through multiple wrapped layers of treated depth coalescing media. Here, the partially-filtered fuel interacts with the multi-density coalescer, effectively growing water droplets of >200 micron from emulsified droplets of <5 microns. These large droplets then fall to a collection bowl separating the majority of the emulsified water from the fuel.

Stage 3: Finally, before the fuel leaves the filter, there is a central hydrophobic woven mesh cartridge which prevents any of the now large droplets from exiting the filter and entering into the fuel system.



Application and advantages of SINFT replacement FBO Cross Reference

Markets:

- Agriculture
- Construction
- Power Generation
- Oil and Gas
- Marine



Advantages:

- Diesel and Biodiesel (e.g., fuel dispensing systems, marine fuel docks, mobile refueling units, refueling cabinets, fuel filter water separators)

Benefits:

- Removes water that enters the system during refueling. Any water present in the fuel stream will support bacterial growth, which can cause clogged filters and result in the formation of corrosive acids. Susceptible components then rust and corrode, leading to erosion and wear of critical fuel system components.
- Removes hard particles present in air that are introduced during fueling, such as sand and silica.
- Prevents costly injector damage and increases operational life of downstream filters.
- Saves time and money by eliminating unplanned maintenance and unscheduled downtime from system component failure.
- Available in a wide range of configurations to meet the unique requirements of customers' engines, including marine (UL-approved) versions.
- Locking ring collar allows a single person to easily perform filter change-outs