



Filtek[™]
ISO 9001 : 2008



Filtration Solutions

Go Green.... Keep Your Oil Clean !!!

Filtek India (P) Ltd, an ISO 9001:2008 Company established in May 2004 to provide high quality and cost effective filtration solutions for the global market. Our core product is the Centrifugal Oil Cleaner for diesel engines.

The manufacturing facility is based at Pune (Maharashtra) India. A team of dedicated professionals with over 25 years experience in the manufacture, sales and retrofitting of centrifugal by-pass filters, are able to offer OEM fitment options or full retrofit kits to enable you to utilise the benefits of Filtek centrifuge on your engines and equipment. Our in-house testing facilities are fully equipped to ensure that all products meet specifications before dispatch. Full traceability is provided for all manufactured products.

Product Development

Continuous interaction with customers help us to understand their requirements thereby promoting product development. This technology, originally designed for use on diesel engine oil filtration, has been successfully introduced on industrial cutting oils and fluids. We have experienced excellent results in cable drawing and machine tool applications. The centrifuges can be installed by engine builders as OE or retrofit to existing engines. Our application engineers are on-hand to discuss your exact requirements. Many of the technologies used by engine manufacturers to reduce harmful exhaust emissions, increase the level of soot in the lubricant oil. Filtek Centrifuges are excellent at removing soot from engine oil.

Quality Assurance

All our products comply with our exacting quality assurance and testing procedure prior to dispatch to ensure zero defects. Our management team has a wealth of practical experience working with the high quality standards of Automotive OEM makers. We take pride in offering our customers efficient and durable products to suit the most challenging of environment. Filtek India (P) Ltd. was recently awarded the International Achievers Award 2009 for Quality Excellence by the International Achievers Forum.

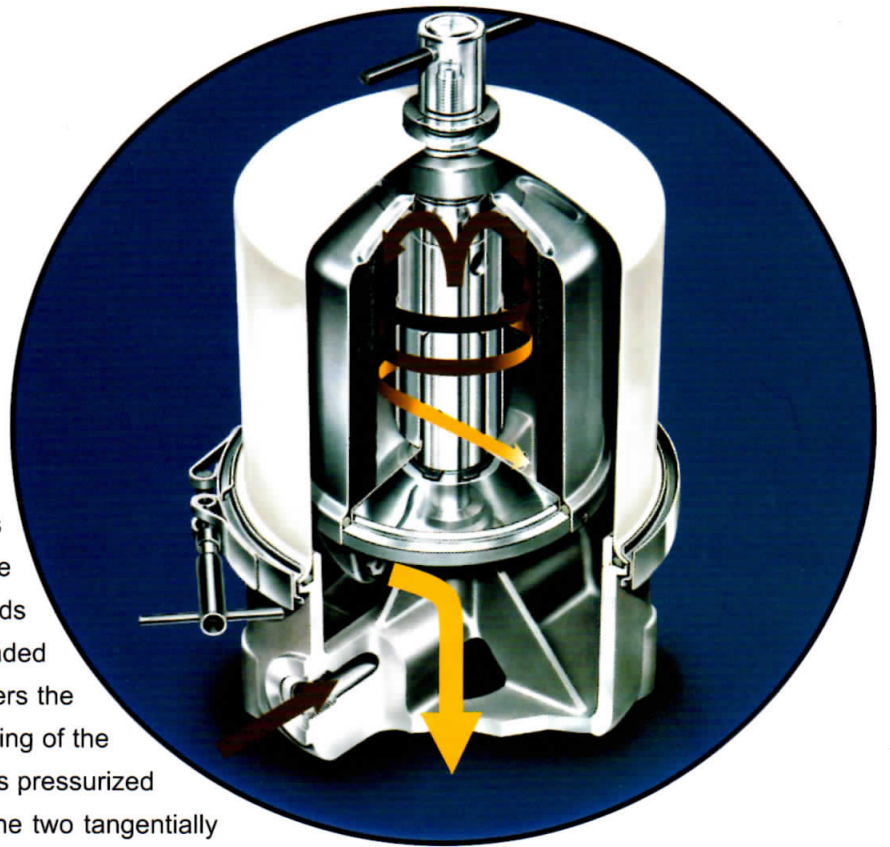
Eco Friendly

FILTEK CENTRIFUGES CONTRIBUTE GREATLY TO CONSERVING THE EARTH'S LIMITED OIL RESERVES. Filtek Centrifuges are cleanable, have no replacement parts and are fitted in place of existing paper element bypass filters thereby contributing positively to the environment. It has been proven that carbon soot destroys the additive package of lube oils. Removal of soot from oil will increase the additive package life thereby extending oil drain intervals in engine.

Filtek continues to develop its oil conditioning technology to meet both current and future technical and environmental requirements.



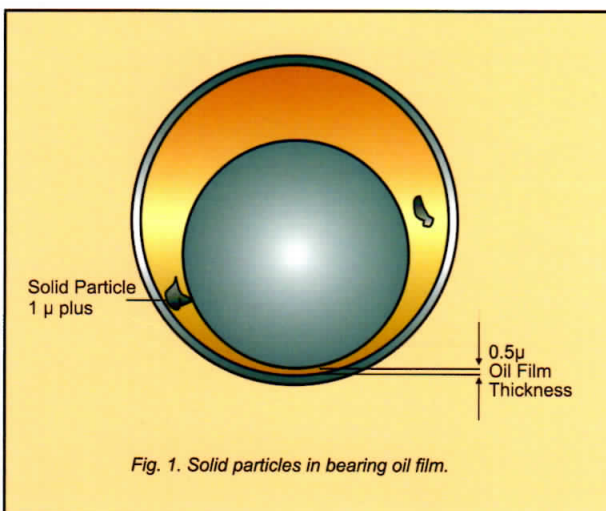
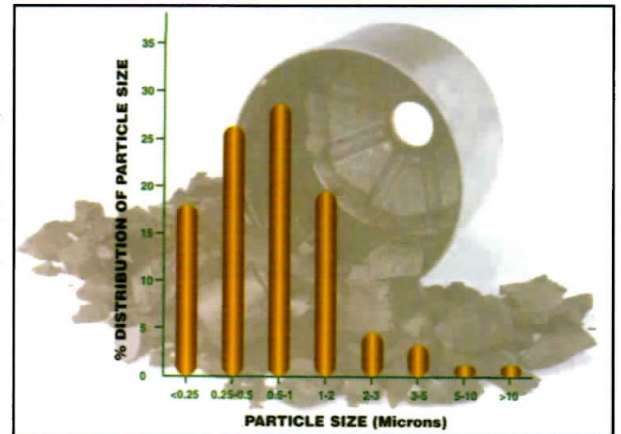
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PRINCIPLE OF OPERATION

Oil from a pressure point on an engine is fed through the side inlet of the Centrifuge. When the oil pressure exceeds cutoff valve rating, the spring loaded plunger is pushed back and the oil enters the rotor assembly through the internal drilling of the central spindle. The rotor assembly gets pressurized and the only exit point for the oil are the two tangentially opposed nozzles at the base. The rotor assembly has two bush bearings, one at the top and one at the bottom and spins freely around the spindle. The action of oil exiting through the nozzles gives it a reverse direction spin. The rotor RPM is directly proportional to the inlet pressure. The oil is returned back under gravity through the central hole at the base of the centrifuge. At 6 BAR pressure the RPM generated for model FM060 is 6000 which generates centrifugal force 2000 times that of gravity. Each particle heavier than oil is subjected to tremendous centrifugal force and gets compacted onto the inner rotor wall. At pre-determined intervals the rotor assembly is cleaned with the help of a wooden spatula.

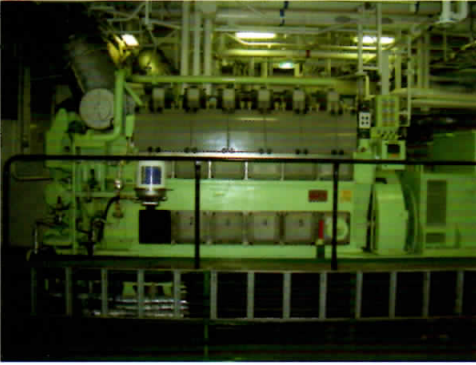
The centrifuge has no consumable parts and is capable of removing sub micron particles from the oil. Ensure that the minimum operating pressure is at least 3 BAR and does not exceed 7 BAR. Optimum results are achieved at 6 BAR pressure.



Analysis of contaminant collected in the shows that maximum number of particles (over 90%) are in the range between 0.25 μ and 2 μ . These particles are not captured by the full flow cartridge filters and cause maximum wear and tear to the friction parts of engine and equipment, such as bearings piston rings, liners where oil film thickness is in the range of 0.5 μ to 1 μ . Filtek Centrifuges can captures particles down to 0.3 μ .

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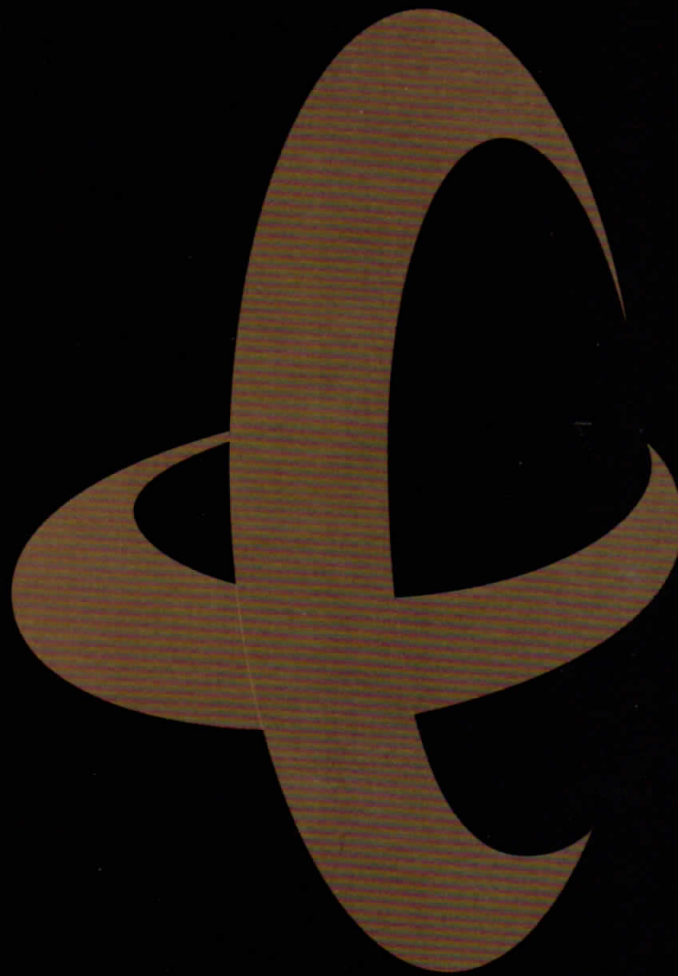
Centrifuge Installations



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International Network

Through our international network of distributors & associates,
we have the expertise to deliver globally at competitive costs.



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