

# ***FDC/aerofilter™***

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## **Filtros por Barreira**



# Eurocopter AS-350/EC130



# Eurocopter EC120



## EC-135 IBF



## Bell 206 / 206L / 407

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# Sikorsky S-76 Line (OEM)

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## MD-500 Series / MD-600 Series



## Current Product Line

- Eurocopter AS350 Series (B-D)
- Eurocopter EC120
- Eurocopter EC130
- Bell 206B, 206L
- Bell 407
- MD 500 Series - MD530FF
- MD600
- Sikorsky S76 A+, A+, C, C+, C++
- EC-135

# Efficiency 99.28% capture of “talcum powder” 10<sup>um</sup> sized particles

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**Imagine what the FDC Inlet Barrier Filtration System  
can do for your engine.**

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## **“centrifugal” coating of internal shafts**

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Photo 1: This engine was typical for a NZ operator without a filter – about 6 grams of dust after 1200 hours

## **“centrifugal” coating of internal shafts**



Photo 2: This engine was frequently operated from beaches but was only slightly above average at about 8 grams of dust after 1500 hours, due to well-chosen landing sites.

## “centrifugal” coating of internal shafts



Photo 3: This engine was operated in the Australian desert for 800 hours and had 32 grams of dust in the Hollow Shaft. This demonstrates poor choice of landing sites and the engine required a full overhaul due to the high levels of erosion on all internal parts.

## **“centrifugal” coating of internal shafts**



Photo 4: This engine is operated in New Zealand and after 1500 hours with a FDC Filter installed, there was no dust inside the engine at all and most parts looked like new.

# MANUTENÇÃO

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- Operação de Manutenção:

Limpeza do elemento filtrante a cada 100hs:

=>lavagem do elemento e impregnação com óleo

- Custo: < 1,00US\$/hdv

# RALLY DAKAR – ARGENTINA/CHILE



# LIMITAÇÕES OPERACIONAIS

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- **Não há** limitação operacional para os filtros de ar da *FDC/aerofilter* para os Esquilo AS350 Séries.

Os Suplementos ao Manual de Voo estão disponíveis no site [www.fdcaerofilter.com](http://www.fdcaerofilter.com) com livre acesso

# SEGURANÇA OPERACIONAL

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Os filtros *FDC/aerofilter* contribuem para o aumento da Segurança Operacional.

=> Dispensa intervenção do piloto

## REFERÊNCIAS DE MERCADO

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- Equipa 90% da frota de helo EC monomotores nos EUA
- OEM American Eurocopter (opcional)
- OEM Sikorsky Aircraft S76 C++ - (base)

# REFERÊNCIAS NO BRASIL

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- POLÍCIA FEDERAL
- POLÍCIA MILITAR DE MINAS GERAIS
- INSTITUTO DE ENGENHARIA FLORESTAL
- LENÇÓIS MARANHENSES
- EFAI
- HELISUL
- LIDER
- BHS

# PROCESSO DE AQUISIÇÃO

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- DIRETAMENTE DA *FDC/aerofilter*
- ATRAVÉS DA AEROTRON
- ATRAVÉS DA HELIBRAS



**AEROTRON INDÚSTRIA E COMÉRCIO LTDA**

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