



## ROTORCRAFT LIQUID FILTRATION

Fly Clean. Fly Donaldson.

### Filtration is our Singular Focus for the Rotorcraft Industry

When you need fuel, lube oil, or hydraulic filtration systems for new and existing engine applications, consider Donaldson as your single source. Our solutions enhance your equipment design, protect your engine components and can improve your overall aircraft maintenance experience.

- Compact & flexible solutions for Fuel, Oil & Hydraulic
- Innovation in Filtration media , Components integration, System flexibility
- Improvement in Life, System Protection, Weight and Overall Envelope

Donaldson liquid filtration ranges in complexity – from a simple t-type manifold to a complex, multiple circuit filter manifold assembly – which may include an intricate head design, multiple filter bowls, filter elements, bypass valves, shut-off valves, check valves, fluid sampling ports, and differential pressure indicators that signal when filter replacement is required.



#### Fuel Filtration

Rotorcraft fuel systems require more efficient fuel filtration with longer life. Learn about the features of a system and associated benefits that allow you to weigh the merits of one system's features versus another.

#### Lube Filtration

New engines have higher operating temperatures. This requires higher efficiency filters than in years past with the same or longer life.

#### Donaldson Media

Donaldson offers extensive filter media technology choices for liquid filters – over 34 different formulations. These formulations enable our engineers to develop filtration systems that exceed or meet a wide variety of customer specifications. Synthetic media captures more and smaller contaminants than cellulose media. When an application requires higher efficiency filtration than cellulose filter media can deliver, Donaldson uses synthetic media technology.

From traditional cellulose to nanofiber – the development of proprietary filtration substrates is at the heart of every Donaldson filtration system. If one of our existing media formulations does not meet our customer's specifications, our scientist use our in-house media development laboratory to develop new formulations to meet or exceed your requirements.

#### Hydraulics

*Performance Under ANY Pressure.*

We have the right filters, contamination control products and capabilities to protect your rotorcraft and components in hundreds of applications When you need hydraulic filtration, turn to Donaldson.

- **Replacement Filters** – We offer a complete line of filters and cartridges for low, medium and high pressure applications. Each is also available in a range of media efficiencies to meet specific application requirements.
- **Assemblies** – Offering a complete line of low, medium and high-pressure assemblies for use throughout hydraulic circuits.
- **Accessories** – Accessories for hydraulic circuits, lines and reservoirs help you maintain proper ISO cleanliness levels.

#### Fluid Analysis

Fluid analysis is a snapshot of what's happening inside your equipment. It summarizes the condition of your oil and identifies component wear and contamination in virtually any application.

#### Reasons to Consider a Custom System

As you develop the future design of your engine or application, it is important to consider the filtration system.

- Looking for a system that does more; may include sensors, pumps, and/or heaters
- Interest in component/supplier consolidation – solutions that bridge a wide range of engine/aircraft
- Offering a unique solution with ease of maintenance

# HEADLINE FOR THESE TABLES

APPLICATION	DONALDSON	ASSOCIATED PART NUMBER
<b>FILTER</b>		
Bell Helicopter (222 & 407)	306005	<b>Replacement for:</b> 222-366-621-3 Bell (222). 222-366-621-101 Bell (407) <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 92 Amended
<b>FUEL FILTER</b>		
Airbus Eurocopter France (AS-350B, AS-350B1, AS-350C, AS-350D, AS-350D1, AS-350B2, AS-350BA)	WF335192	<b>Replacement for:</b> 402A12-4 Alternate P-1113 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 30
Bell Helicopter Textron (204B, 205A, 205A-1, 205B, 212, 412, 412EP, 412CF)	WF336347	<b>Replacement for:</b> 047546-02, 204-040-760-13 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 57 Amended
Bell Helicopter Textron (206A, 206B, 222, 407)	KD651510	<b>Replacement for:</b> KD651510 <b>PMA Number:</b> PQ1847NM (Western) <b>Supplement Number:</b> 94
MD Helicopters (369D, 369E, 369FF, 500N, 600N)	KD651510	<b>Replacement for:</b> KD651510 <b>PMA Number:</b> PQ1847NM (Western) <b>Supplement Number:</b> 94
<b>HYDRAULIC FILTER</b>		
Airbus Eurocopter (AS-350B, -350B1, -350C, -350D, -350D1, -350B2, -350BA)	WF335193	<b>Replacement for:</b> 157152 Alternate P-1110 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 28 Amended
Bell Helicopter (205A, 205A1, 212, 230, 222, 222B, 222U, 412, 412EP, 412CF)	WF35199	<b>Replacement for:</b> 205-076-034-3, 205-076-034-003 Alternate 7576665, AC-8993F-62 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 38 Amended
MD Helicopters	WF335200	<b>Replacement for:</b> 12286 Alternate AC-A388F-90 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 48
<b>HYDRAULIC FILTER ASSEMBLY</b>		
Sikorsky (S-61N)	P-3542-1-P1	<b>Replacement for:</b> 3542-1P1 <b>PMA Number:</b> PQ1847NM (Western) <b>Supplement Number:</b> 92 Amended
<b>OIL CONDITIONING UNIT</b>		
V22 Osprey Rolls-Royce T-406/AE1107 Engine	538255 OCU	First Fit
<b>OIL FILTER (4 MICRON)</b>		
Bell Helicopter Textron (205A-1) Bell Helicopter Textron (Canada) (212, 412, 412EP, 412CF)	WF338110	<b>Replacement for:</b> 204-040-760-109 Alternate 204-040-760-105 047546-17 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 114
<b>OIL FILTER</b>		
AeroSpace Technologies (N22B, N24A) Agusta (A109All) Bell (47, 47B, 47B3, 47D, (USAF H-13B), 47D1 (USAF H-13D, H-13E, Navy HTL-4, -5), 47E (Navy HTL-3), 47G (USAF H-13G), 47G-2A, -2A-1, 47-G2 (USAF H-13H), -3 (OH-13H), -3B, -3B-1 (TH-13T), -3B-2, -3B-2A, -4, -4A, -5, -5A, 47H-1, 47J, -2, -2A, 47K) Bell Canada (206, 206A, 206A-1, (OH-58A), 206B, 206B-1, 206L, 206L-1, 206L-3, 206L-4) Eurocopter France (AS-350B, -350B1, -350B2, -350B3, -350BA, -350C, -350D, -350D1) Eurocopter Deutschland (BO-105A, -105C, -105LS A1, -105S) Hiller (UH-12D (Army UH-23D)) MD Helicopter (369 (Army YOH-6A), 369A (Army OH-6A), 369D, 369E, 369F, 369FF, 369H, 369HE, 369HM, 369HS, 500N) Sikorsky (S-76A, S-76B, S-76C)	WF336342	<b>Replacement for:</b> 038088-08 P-1050 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 52 Amended

APPLICATION	DONALDSON	ASSOCIATED PART NUMBER
<b>OIL FILTER, CONTINUED</b>		
<b>Airbus Eurocopter</b> (AS-350B, -350B1, -350C, -350D, -350D1, -350B2, -350B3, -350B4, -350BA)	WF335189	<b>Replacement for:</b> 4-301-216-02 Alternate 4-301-216-01, 038072-18 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 28 Amended
<b>Airbus Eurocopter</b> (AS-350B, -350B1, -350C, -350D, -350D1, -350B2, -350BA)	WF335190	<b>Replacement for:</b> 56852-1 Alternate P-1111 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 28 Amended
<b>Airbus Eurocopter France</b> (AS-350B, AS-350B1, AS-350C, AS-350D, AS-350D1, AS-350B2, AS-350BA)	WF335191	
<b>Bell Helicopter Textron</b> (206, 206A, 206A-1 (OH-58A), 206B, 206B-1, 206L, 206L-1, 206L-3, 206L-4, 407)	WF336346	<b>Replacement for:</b> 206-040-128-001, Alternate P-1133 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 59 Amended
<b>Sikorsky</b> (S-76A, S-76B, S-76C)	WF335202	<b>Replacement for:</b> AC-A952F-122Y2 <b>PMA Number:</b> PQ1847NM <b>Supplement Number:</b> 37
<b>REDUCTION GEAR BOX</b>		
Bell Helicopter 525	R020499 RGB	First Fit
<b>SCAVENGE OIL FILTER ASSEMBLY</b>		
Bell Helicopter 430 Rolls-Royce Model 250 Engine	R021031 SOFA	First Fit



## Always Innovating, Always Leading

Donaldson continues to develop and certify advanced technologies and new products to serve the aerospace and defense industry. Our engine liquid filtration solutions include filter elements, assemblies and manifolds that include Delta P Indicators, Bypass Valves and Shut-Off Valves.

**Our singular focus is to protect your engine.**



# HEADLINE FOR THIS TABLE

APPLICATION / DESIGNATION	TOP ASSEMBLY		ASSOCIATED FILTER CARTRIDGE	
	Donaldson	AH	Donaldson	AH
<b>SUPER PUMA COUGAR</b>				
Fuel Filter Assembly	433D25-6	704A44620047	402D25-1	704A34620048
Fuel Filter Assembly	433D25-21	704A34620040	57457-1	N6707715401
Fuel Filter Assembly	433D25-22	TBD	57189-1	NR007702939
Fuel Filter Assembly	433D25-42	704A44320038	57189-1	NR007702939
Fuel Filter Assembly	433D25-43	704A34620041	57457-1	N6707715401
Fuel Filter Assembly	433D25-51	704A44620039	57457-1	N6707715401
Fuel Ice Trap	496A20-2	704A44634003	57458-1	NR00700236
Fuel Filter Assembly (Low Temp)	4020P25-5	704A44620049	402B25-11	704A44629024
Air Filter Assembly (Hot Air Filter)	461A6-2	704A34622006	Filter: 56392 Strainer: 56911	Filter: TBD Strainer 1409628
Air Filter Assembly (Hot Air Filter)	461A6-3	704A34622207	Filter: 56392 Strainer: 56911	Filter: TBD Strainer 1409628
Strainer	402C63-1	706A34629008		
Strainer (oil strainer for MGB)	476D25-1	704A34629006		
Plug	A2022	N6707708700		
<b>PUMA AS330 332</b>				
Fuel Filter Assembly	A6139-01B	330A529800	56399	N6707702221
Fuel Filter Assembly	A6114AMT.A	31605210904	56239ZY/0.280	N773 052 873 9
Strainer	A6108	N6707705122		
<b>NH90</b>				
Fuel Filter Assembly	4020P25-6	S282M20A1006	402B25-11	704A44629024
<b>GAZELLE</b>				
Fuel Filter Assembly	433B25-12	6707710602	57188	704A34629016
<b>SUPER FRELON</b>				
Fuel Filter Assembly	A6139-05A	N6707702900	56399	N6707702221
Strainer	A6186	N6707706000		
<b>DOLPHIN</b>				
Fuel Filter Assembly (Metallic Media)	433G20-2	704A44620017	57188	704A34629016
Fuel Filter Assembly (Glass Fiber Media)	433G20-5	704A44620046	57188-1	704A34629025
<b>SQUIRREL</b>				
Fuel Filter Assembly	432B12-4	704A44620025	402A12-4 (Metalic) 402A12-7 (Glass Fiber)	704A34629022 704A34620045
Fuel Filter Assembly	4020L12-1	704A44620032	402A12-1	704A34629020
Strainer	SF0813	706A34629014		

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