

let performance flow

ap filtration

An ONTIC company

In aerospace, no system operates in isolation. Performance depends on how every element works together, under pressure, over time and without failure.

For OEMs, that means dependence on partners who can do more than meet a specification. It means working with teams who understand the system, manage complexity, and take full ownership from design through to delivery.

AP Filtration is that partner. We combine specialist aerospace filtration expertise with end-to-end in-house capability; designing, developing, validating, certifying and delivering bespoke filtration solutions for critical aerospace and defence systems.



AN END-TO-END ENGINEERING PARTNER

- DESIGN & BUILD TO SPECIFICATION
- IN-HOUSE MANUFACTURING
- PRODUCT DEVELOPMENT & BETA TESTING
- QUALIFICATION & VALIDATION
- CERTIFICATION

TRUSTED WHERE PERFORMANCE MATTERS MOST

AIRBUS

FAE SYSTEMS

BOEING

Gulfstream

LEONARDO



Our products can be found on thousands of aircraft, vessels and vehicles in service around the world, supporting commercial, civil and defence platforms where performance and reliability are non-negotiable.

Leading OEMs around the world trust AP Filtration because, from initial concept through qualification, production and lifetime support, we are able to provide the consistency, control and confidence they need to ensure performance flows reliably and without compromise.

BESPOKE

Engineered to meet platform-specific performance requirements.

EXPERIENCED

Decades of specialist experience across fuel, oil, hydraulic & air filtration, supporting more than 70 different aerospace, maritime and land platforms.

VALIDATED

Qualification & validation support to RTCA DO-160, MIL-STD-810, DEF STAN, FAA/EASA approval pathways & customer-specific requirements.

ASSURED

Operating within AS9100 & ISO-certified management systems, delivering full traceability & configuration control.

WIDEBODY



A330 / A340 / A350 / A380
B747 / B757 / B767 / B777 / B787

NARROWBODY



A319 / A320 / A321
B717 / B737
AVRO/RJ 146
HS748

CORPORATE



G300 / G350 / G400 / G450
HS125 / -700 / -800

COMBAT



EUROFIGHTER
SAAB GRIPEN
PANAVIA TORNADO
HAL SEPECAT JAGUAR

TRAINER



BAE HAWK
T-45 GOSHAWK
HAL KIRAN

TRANSPORT



A400M ATLAS
TRANSALL C-160

ROTARY



HAL DHURUV ALH
HAL PRACHAND LCH

LAND



FV430 AFV

MARITIME



ZUMWALT-CLASS DESTROYER
FREEDOM-CLASS LITTORAL

RANGES WE CAN BUILD TO

RANGES	FLOW (LPM)	TEMP (°C)	TERMINAL DIFFERENTIAL PRESSURES (PSID)	COLLAPSE PRESSURE (PSID)	CAPACITY (g)	µm RATING
Hydraulic System Filters	5 to 120	-40 to 150	1 to 200	50 to 6000	1 to 100	3 to 40
Fuel Elements	5 to 120	-40 to 130	1 to 200	50 to 6000	1 to 100g	10 to 60
Bleed Air Filters	As req.	-40 to 260	As req.	50 to 6000	As req.	5 to 20
Oil Strainers	Any	Any	~	~	~	10 to 500

FILTER MEDIA

Plastic, Glass fibre, Cellulose paper, Metal fibre, Meshes, Filtration

EXAMPLE BESPOKE FILTRATION SOLUTIONS

FILTER TYPE	µm	CHARACTERISTICS
Scavenge Oil Filter Element	15	Multi-layered glass fibre construction supported by stainless steel mesh
Low Pressure Fuel Element	10	Resin-impregnated pleated paper media, with aluminium alloy perforated center core, aluminium alloy end caps and fluorocarbon seals
Gear Oil Strainers	500	Wire mesh element, stainless steel body, resistance welded mesh
Gear Oil Strainers	500	Stainless steel body resistance welded mesh
High Pressure Oil Filter	110	Multi-layered stainless steel mesh construction, end seals adhered with single-part epoxy adhesive
Engine Gearbox & Step Aside Gearbox Element	500	Wire mesh element, stainless steel end caps and filter body with resistance welded mesh
HP Oil Filter	10	Twin stainless steel mesh layers, aluminium perforated core and end cap assemblies
LP Oil Filter	4	Twin stainless steel mesh layers, aluminium perforated core and end cap assemblies
APU Oil Filter	8	Twin stainless steel mesh layers, aluminium perforated core and end cap assemblies

Whether supporting a new aircraft programme, sustaining an established platform or solving complex obsolescence challenges, AP Filtration provides the engineering expertise, manufacturing capability and programme support required to deliver with confidence.

Our integrated teams work alongside OEM customers throughout the programme lifecycle, assuring performance, durability, manufacturability and certification requirements are fully understood, managed and achieved.

PRODUCT DEVELOPMENT & OPTIMISATION
SECOND SOURCE & OBSOLESCENCE RESOLUTION
PROTOTYPING
QUICK TURNAROUND
SMALL BATCH / LARGE BATCH
FULL SCALE PRODUCTION
IN-HOUSE TESTING
OE & AFTERMARKET SUPPORT

SEND US YOUR FILTER REQUIREMENT



Since 1930, AP Filtration has built a reputation for specialist filtration engineering, earning the trust of leading aerospace OEMs and operators worldwide. Backed by the global reach and resources of the Ontic group, we combine decades of expertise with long-term investment, resilient supply chains and dedicated lifecycle support to keep critical aerospace platforms performing for a lifetime of flight.



9001

QUALITY MANAGEMENT
SYSTEMS



14001

ENVIRONMENTAL
MANAGEMENT SYSTEM



AS9100

REV D



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