

HYBRID AND ELECTRIC Aircraft Filtration Solutions



As with all aircraft OEMs, designers of hybrid electric aircraft or systems need to comply with safety requirements, ensure consistent performance and maximize reliability while maintaining aircraft capabilities. Maintaining or improving an aircraft's air and liquid cleanliness with lightweight, efficient and reliable filtration components is critical in enabling this.

Pall is committed and uniquely positioned to support the advanced air mobility market from concept development through to product maturity and beyond by partnering with OEMs around the world to help navigate these often challenging requirements. Designing, manufacturing and supporting certification of a wide range of flexible, efficient, and lightweight filtration, separation and purification solutions that improve performance and durability of critical systems.

LIQUID AND AIR COOLING SYSTEMS



Optimized designs for battery, power electronics, and electric motors

Filtration elements, assemblies, and vortex separators to maintain quality of cooling liquid and air, ensuring performance of cooling system .

ENVIRONMENTAL CONTROL SYSTEMS (CABIN AIR)



Market leading cabin air filtration solutions

HEPA rated Cabin Air Filters that utilize the latest Carbon technology to remove microbial contaminants, odors and Volatile Organic Compounds (VOCs) enhancing the overall quality of air onboard commercial aircraft.

HYDRAULIC SYSTEMS



Wide range of lightweight and efficient hydraulic filter elements and assemblies

Remove damaging particulate contaminants from hydraulic fluid to ensure effective protection for hydraulic system components.

LUBRICATION SYSTEMS



Lubrication filters for gearboxes, transmissions, and electrical power generation systems

Protect system components from damaging particulate contamination to ensure reliable system operation.

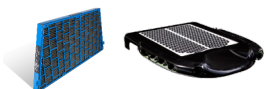
Additional Hybrid Aircraft Filtration Solutions:

TURBINE POWER UNIT: LUBE AND FUEL SYSTEMS



Filter elements, assemblies and accessories for turbine engine power units that offer optimum protection by providing high-efficiency filtration for removal of particulate contaminants that can cause damage to critical system components.

TURBINE POWER UNIT: INLET AIR AND PNEUMATIC SYSTEM FILTRATION



Vortex separation and barrier filter solutions that remove damaging particulate contaminants from inlet air to ensure effective protection for turbomachinery components and pneumatic systems.