



Aerospace

Pall Aeropower Corporation
10540 Ridge Road
New Port Richey, FL 34654
727.849.9999 phone
727.848.5719 fax
www.pall.com/aerospace

Marketing Update

Prolongs the On-Board Inert Gas Generating System (OBIGGS) Service Life

Pall offers Ozone remediation capability along with liquid & particulate filtration

Pall Aeropower Corporation is pleased to offer an integrated solution in protecting the critical On-Board Inert Gas Generating System. The Air Separation Module (ASM), a subsystem of the OBIGGS, demands pure air to operate effectively and continuously. Traditional OBIGGS filtration systems are designed to cope with particulate & liquid challenges to filter incoming air, but are unable to address harmful Ozone, which passes directly through. Ozone (O₃), a powerful oxidizing agent, can damage the membrane of the ASM. This can lead to decay in the separation performance of the ASM, resulting in compromised performance.

Pall has developed an integrated solution that combines our liquid & particulate filtration technology along with an Ozone destruction feature. Using proven catalyst technology, Pall's solution has demonstrated extremely high efficiency when challenged with elevated concentrations of Ozone. Efficiency levels in excess of 96% have been demonstrated on products currently flying in aircraft. In addition, the particulate and Di-Octyl Phthalate (DOP) efficiencies recorded exceeded 99.997% at the 0.3 micrometer size. This novel design yields an optimized, low cost solution, in a reduced envelope and lower weight package compared to traditional systems.

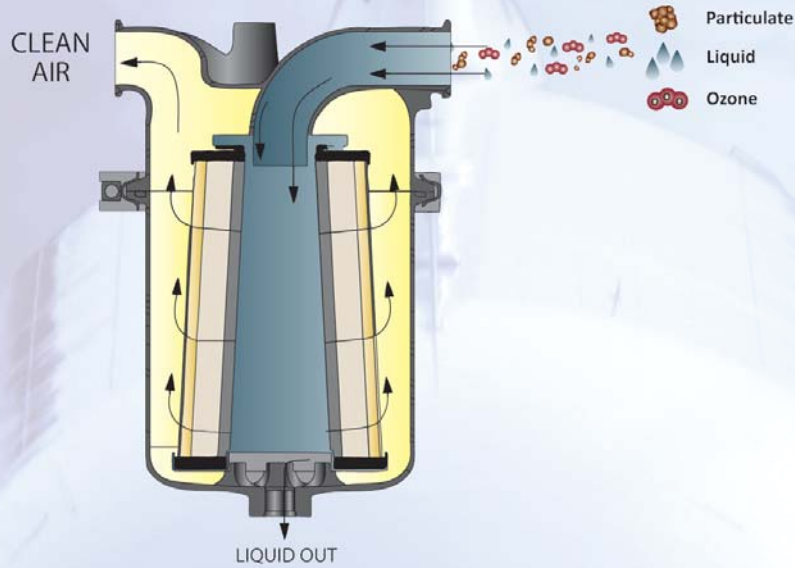


Sample Design

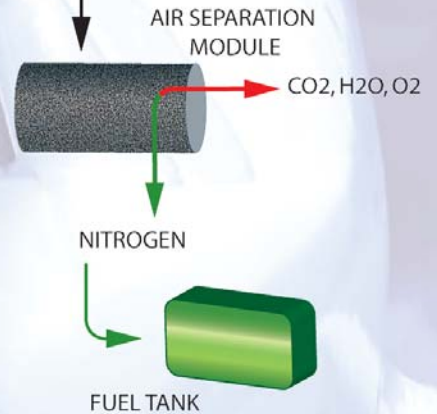
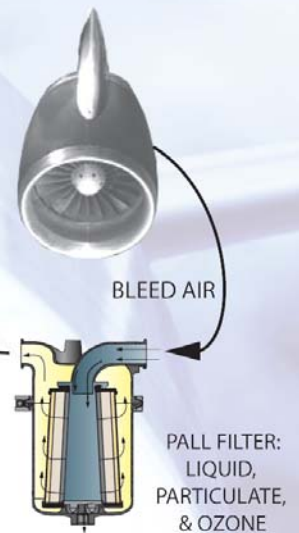
The incoming air treated by Pall's solution enables effective and sustained OBIGGS operation.

For the advantages described, Pall's comprehensive approach in safeguarding the OBIGGS has been recently tested and certified on a high profile U.S. military aircraft program. Pall's solution is anticipated to yield remarkable cost savings. In addition to the cost benefit, Pall's technology enhances system reliability by assisting in maintaining OBIGGS operational capability at high confidence levels.

Let Pall help in protecting your OBIGGS with a solution specifically suited for your application.



Sample WSCF+
Water Separator Coalescer Filter Plus
Ozone Remediation



System Schematic

HIGHLIGHTS

- ✈ Integrated package is cost effective and compact
- ✈ High destruction efficiency for Ozone (greater than 96.0%)
- ✈ Proven technology certified to demanding military requirements
- ✈ Immediate benefit: prolongs OBIGGS service life
- ✈ Custom design to a specific application



Pall Corporation

Pall Aeropower Corporation
10540 Ridge Road
New Port Richey, FL 34654
727.849.9999 telephone
800.933.3111 toll free US

Pall Aerospace Europe
Europa House, Havant St.
Portsmouth, Hampshire, UK
+44 (0)23 9230 2428 telephone
+44 (0)23 9230 2509 fax
centrisep@pall.com

Visit us on the Web at www.pall.com

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