



AEROSPACE solutions

A leading provider of fluid management solutions serving the commercial transport, helicopter, military and corporate aviation markets

Expertise

PTI is a leading provider of fluid management solutions for the Aerospace Industry. We continue to develop and apply new technology to solve unique aerospace filtration and fluid management problems. Our expertise extends to virtually any hydraulic, fuel, lubrication or pneumatic systems in all types of commercial and military aircraft.

Innovation

PTI's integrated engineering approach, emphasizing close technical collaboration with our customers, results in products with enhanced performance for a variety of commercial fixed wing, rotary and military applications. The PTI engineering team designs products to meet exacting customer specifications using the latest design tools and test facilities.

Design

Development

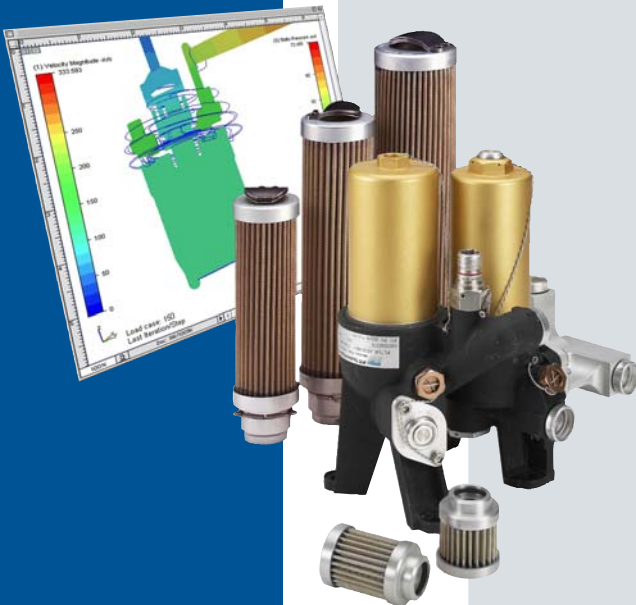
Qualification

Manufacturing

AN INTEGRATED APPROACH FOR STATE-OF-THE-ART FILTRATION SYSTEMS

Quality

PTI's Quality Assurance System provides controls that are invoked at the onset of design and continue throughout all phases of production program. Our program is certified to the requirements of ISO 9001:2000 and QS9000. Additionally, we are certified to Boeing Specification D9-82479 and AS9100A:2001 as well as being a self-certifying supplier to the government and various Aerospace original equipment manufacturers (OEM's).



ELEMENTS

PTI filter elements are optimized to meet system requirements of dirt capacity, pressure drop, fluid compatibility and particle removal. Elements are designed to accommodate operating pressures up to 8000 psi and temperature environments ranging from -65° to +1000° F.



- ▶ **Depth-type filtration:** Disposable-stainless steel, Micro-fiberglass, Cellulose fibers
- ▶ **Woven mesh filter:** Cleanable-stainless steel, Synthetic fiber

MODULES

PTI's custom-designed filter modules integrate independent fluid system components into one compact, efficient manifold which provides greater reliability and improved system maintainability while optimizing weight. PTI's filter modules are available with a wide range of components:



- ▶ **Flow control valves**
- ▶ **Differential pressure indicators**
- ▶ **Temperature & pressure transducers**
- ▶ **Reservoirs and accumulators**

FILTRATION SUB-ASSEMBLIES

PTI's filter assembly kits may be configured to the individual requirements of the system designer. These kits include a variety of filtration accessories:



- ▶ **Custom-designed filter elements and filter bowls**
- ▶ **Mechanical and/or electrical differential pressure indicators with thermal lockouts and surge controls**
- ▶ **Customized bypass and shut-off valves**

MRO SERVICES

As an OEM manufacturer, PTI offers the optimum level of cost and quality in the overhaul of filter modules, assemblies and accessories for the Aerospace Industry. In addition to part inspection, tear down reports and complete performance testing/evaluation of filtration products, PTI's repair station offers product support and extensive technical expertise in the area of aerospace filtration as well as a complete filter element and spare parts inventory.



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