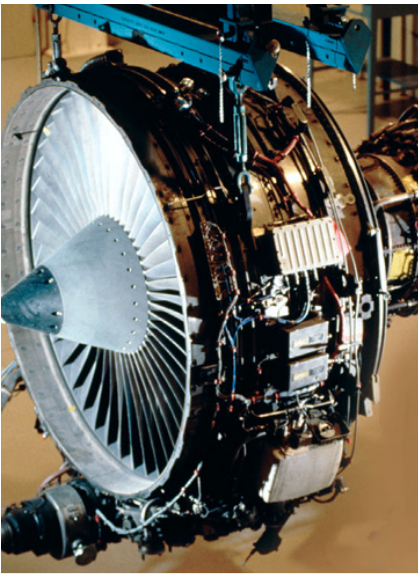


# PRESSURE TRANSDUCERS



FOR AIRCRAFT OXYGEN SYSTEMS

MODEL 24 B



# Aerospace Applications

- Jet Engine Test Stands
- Rocket Engine Thrust Tests
- Rocket Engine Fuel Control
- Jet Engine/Rocket Engine Diagnostics
- Ground Support Monitoring Systems
- Hydraulic Systems Testing
- Component Testing
- Iron Bird Tests
- Aircraft Oxygen Systems

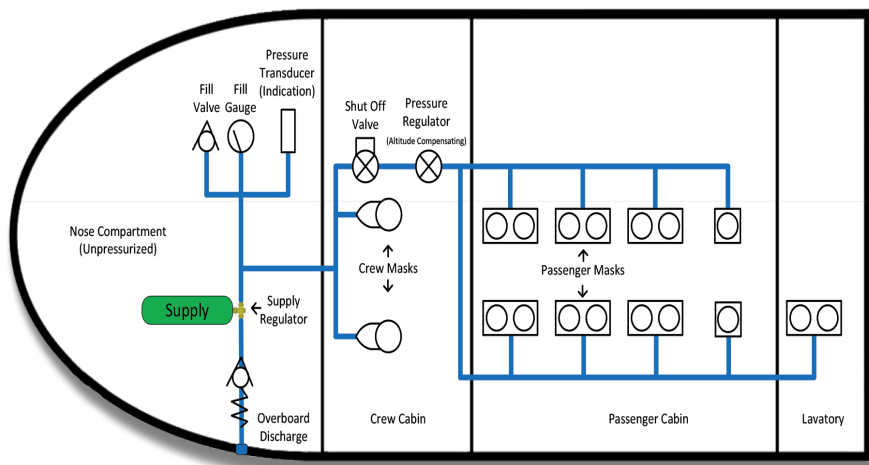
## Experience

Viatran's extremely reliable pressure transducers can be utilized in passenger and crew aircraft oxygen systems. With over 50 years of expertise, innovation and technology; our pressure transducers offer the ultimate in longevity, quality and reliability.

## Challenge

Engineers require pressure transducers to perform with extreme reliability and repeatability when monitoring passenger and crew aircraft oxygen systems. A small commercial or business airplane oxygen system pressure will be approximately 2000 psig at 70°F when full. Attached to the oxygen bottle is a regulator assembly which maintains the outlet pressure at 70 psig and over pressure protection is provided by a relief valve. A pressure transducer is mounted to the inlet side of the refill valve to provide remote indication of oxygen supply pressure and limit system pressure.

Call our Application Engineers at 1.800.688.0030



Typical PGOS System (Portable Gaseous Oxygen System)

## Solution

The Viatran 24 B series is an extreme reliable and versatile pressure transducer. The all stainless-steel construction, small size and weight along with its high accuracy makes it ideal for aircraft air oxygen systems. To maintain excellent performance and ensure immunity in electrically noisy environments, both mechanical and electrical designs are optimized for EMI handling.



## Features

- High accuracy  $\leq \pm 0.25\%$  FSO ( $\pm 0.15\%$  or  $\pm 0.10\%$  optional)
- 0-100 thru 0-15,000 PSI
- Small size and weight
- All stainless steel construction
- Shunt calibration circuit option
- Zero adjustment option

Model 24 B Pressure Transducer





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