Keeping Critical Equipment Operating in the Most Demanding Environments

High technology systems used in aircraft, often need a constant pressure to operate. We’ve provided innovative and reliable products used in aircraft protection systems since 1920. Donaldson is recognized as a leader in designing and manufacturing a variety of high-quality pressure control systems.
Hydraulic Pressurization Unit

- Pressurizes and protects the hydraulic reservoir of an aircraft
  - provides filtration of incoming air from the Auxiliary Power Unit (APU), engine group or ground air unit
  - incorporates a high-efficiency demister for moisture removal

- Key components include:
  - pressure regulator
  - water-fluid separator
  - visual clogging indicator
  - check valve, by-pass and relief valve

Air Control Unit for Military Aircraft Nose Cone

- Pressurizes the nose cone seal
  - includes functions for pressurization and depressurization

- Controls atmospheric conditions (pressure and humidity) inside the waveguide chamber of onboard radar

Fuel Tank Pressure Control Valve

- Pressurizes airborne fuel tanks on missiles
- Lightweight (<0.3 kg)
- Designed to withstand high temperatures (up to 220°C) and vibrations