

# PDI - Manifolds

## Product Overview

PneuDraulics, Inc. (PDI) designs and manufactures **aerospace hydraulic manifolds** for **commercial** and **military platforms**. Our precision-machined manifold assemblies **integrate multiple** hydraulic components into a single unit, improving system efficiency, reducing leak paths, and simplifying aircraft installation. These compact distribution blocks combine solenoid-operated control valves, relief valves, pneumatic dump valves, pressure transducers, and isolation valves to optimize **flow routing, regulate pressure, and reduce weight** in critical flight systems.

PDI's portfolio includes **main** and **nose landing gear control** manifolds, **flight** and **landing gear control** manifolds, **nose wheel steering** manifolds, **thrust reverser control** manifolds, and **aircraft hydraulic distribution** manifolds. Each assembly is engineered for reliability, maintainability, and performance in demanding aerospace environments.

## Product Examples



**Landing Gear Control Manifold**



**Spoiler Control Manifold**



**Landing Gear & Flaps Control Manifold**



**Thrust Reverser Control Manifold**



**Ground Control Manifold**



**Accumulator Manifold**



**Flight Control Manifold**



**Distribution Manifold**

## Features

✓ **Integrated Designs**  
Combines multiple functions into one block

✓ **Optimized Flow**  
Improves routing efficiency and reduces losses.

✓ **Lightweight Construction**  
Reduces weight while maintaining aerospace-grade durability

✓ **Flight-Ready Reliability**  
Delivers consistent performance in critical systems.

✓ **Line Replaceable Units**  
Modular design enables fast replacement of key components

✓ **Custom Solutions**  
Completely tailored designs optimized for specific aerospace platforms

## Contact Us

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