

# PDI - Bootstrap Reservoirs

## Product Overview

PneuDrualics, Inc. (PDI) is a leading manufacturer of **aerospace bootstrap reservoirs**, providing critical fluid storage and supply for pumps and actuators that operate **landing gear, flight controls, brakes**, and other **essential aircraft systems**. Designed to accommodate fluid expansion, temperature-driven volume changes, and varying actuator demands, PDI reservoirs maintain stable hydraulic performance while offering **integrated monitoring** and **simplified serviceability**. With broad configurability, customizable capacity ranges, and certifications from global aviation authorities, our reservoir solutions deliver **reliable, high-quality performance** across a wide range of aerospace platforms.

## Product Examples



Reservoir, 250 cu.in.



Reservoir, 360 cu.in.



Reservoir, 375 cu.in.



Reservoir, 690cu.in.

## Features

### ✓ Volume Options

Volumes from 150 to 1000+ cu in.

### ✓ Pressures Ranges

Supports various PSI limits

### ✓ Integrated Monitoring

Various indicator options

### ✓ Overfill Protection

Prevents overfill during operation

### ✓ Manual Bleeding

Allows fast on-aircraft bleed servicing

### ✓ Custom Designs

Application specific solutions

## Configuration Examples

Volume	Fluid	High Pressure	Low Pressure	Dry Weight	Diameter	Length
1405 cu in	Phosphate Ester	3050 PSIG	58 PSIG	27.28 lbs	12.10 in	35.63 in
935 cu in	Phosphate Ester	3050 PSIG	55 PSIG	18.80 lbs	8.00 in	16.00 in
700 cu in	MIL-PRF-87257	3000 PSIG	50 PSIG	16.60 lbs	8.65 in	18.35 in
615 cu in	Phosphate Ester	3000 PSIG	72 PSIG	17.39 lbs	8.10 in	20.00 in
360 cu in	Phosphate Ester	1500 PSIG	18 PSIG	16.60 lbs	7.10 in	28.90 in
220 cu in	Phosphate Ester	1500 PSIG	18 PSIG	15.00 lbs	7.10 in	37.16 in
180 cu in	Phosphate Ester	3000 PSIG	55 PSIG	7.90 lbs	7.00 in	32.27 in
150 cu in	Phosphate Ester	1500 PSIG	16 PSIG	14.00 lbs	7.00 in	49.47 in

## Contact Us

**Address:** 8575 Helms Avenue, Rancho Cucamonga, CA 91730

**Website:** [www.PneuDrualics.com](http://www.PneuDrualics.com)

**OEM Sales:** [EngNewBusiness@PneuDrualics.com](mailto:EngNewBusiness@PneuDrualics.com)

**Spares:** [Aftermarket@PneuDrualics.com](mailto:Aftermarket@PneuDrualics.com)

**Repair and Overhaul:** [RMA@PneuDrualics.com](mailto:RMA@PneuDrualics.com)

