

# Monitor pressure on a vacuum chamber

## APPLICATION C117

Type of Company: [Manufacturer, Aircraft Components](#)

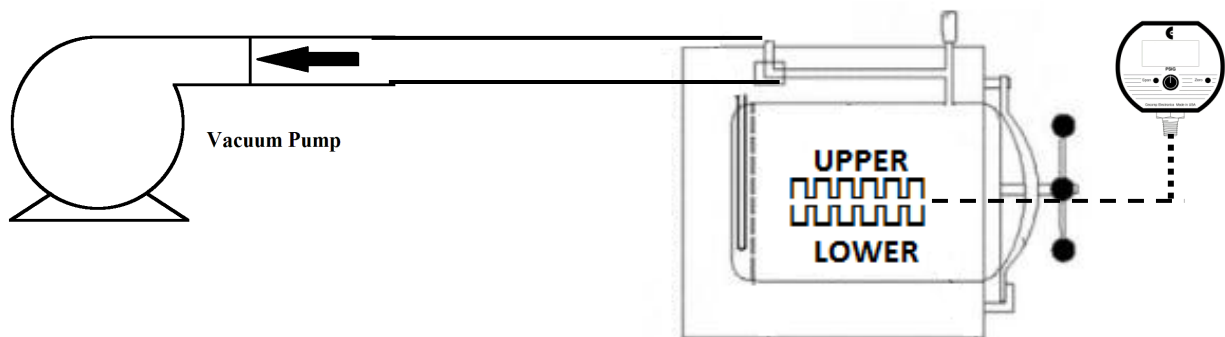
Location: [Washington State](#)

Fiberglass-reinforced composite plastic parts are typically manufactured using a vacuum forming process. A glass-reinforced plastic part is typically a thin "shell" construction and the part may be of nearly any arbitrary shape, limited only by the complexity and tolerances of the mold used for manufacturing the shell.



## The Engineering Issue

- The engineer has a requirement to ensure that there are no air bubbles remaining in the part which could cause a "part failure" when put in service.
- The accuracy and repeatability of the applied vacuum applied to the part while in the vacuum-forming chamber is critical for air bubble removal.



The engineer used an ultra-rugged Cecomp DPG1000B to monitor the vacuum applied to the part while in the chamber. With a high-quality Cecomp product, the gauge is accurate and repeatable and will serve the engineer for years.

**Problem. Solved.**