

Monitor pressure on a vacuum chamber

APPLICATION C216

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

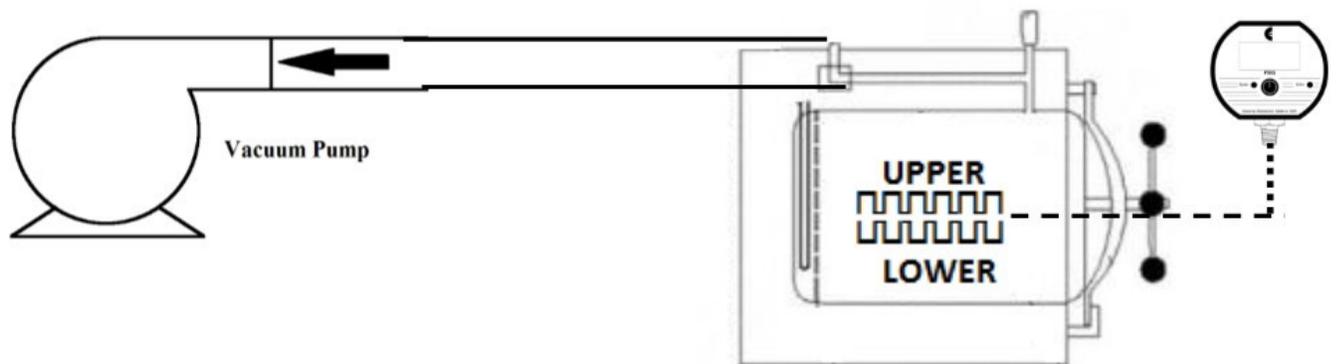
Location: [Washington](#)

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 Ccomp F22B to monitor the vacuum applied to the part while in the chamber. This gauge is very accurate and repeatable.

Problem. Solved.