

# Monitor pressure on an autoclave

## APPLICATION C108

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

Location: [Washington State](#)

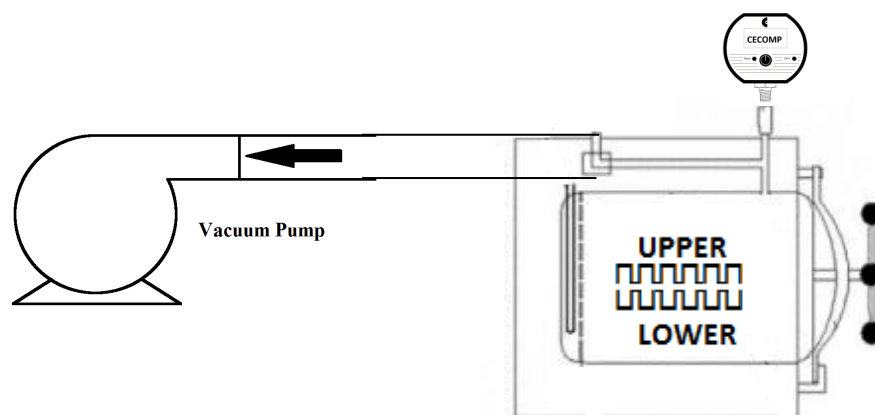
An autoclave is used to manufacture aircraft parts using a carbon fiber resin-based compound. This process is typically called vacuum-assisted resin transfer molding and requires an applied vacuum plus an elevated temperature in the autoclave so that there are no air bubbles remaining in the part. For quality and integrity of the aircraft parts, the air bubble removal process is critical.



Photo by JaviRD

### The Engineering Issue

- The engineer has a requirement for a local, accurate, visual indication of the applied vacuum.
- This local indication must be highly accurate, repeatable, and easy to read.



The engineer used an ultra-rugged Cecomp DPG1000B30inHg (vac) to monitor the vacuum applied to the part as it was being finished in the autoclave.

**Problem. Solved.**