

# API-Cecom Group n'fo

## Technical & Application Note C195

Application: Monitor fluid pressure on dispensing system  
Type Of company: Manufacturer  
Location: Rhode Island

**Problem:** The customer designs and manufactures dispensing equipment and systems for industrial adhesives, lubricants, sealants and coatings as well as equipment used in the testing and inspection of electronic components for curing and surface treatment processes. In a tank reservoir assembly, controlled fluid tank pressure is essential to ensure consistent, repeatable and accurate deposits from the dispense valve as well as to prevent fluid contamination, evaporation, and contain fumes. The customer needs to offer exceptional full-to-empty fluid pressure control, regardless of input pressure fluctuations.

*Note: For additional information on this process see [http://en.wikipedia.org/wiki/Resin\\_dispensing#Dispensing](http://en.wikipedia.org/wiki/Resin_dispensing#Dispensing)*

Their reservoir system uses a precision regulator which maintains an accurate and constant output pressure regardless of input pressure fluctuations. A rugged and accurate digital gauge was required that would allow each production shift to set the pressure accurately within tenths of psi with no analog readout error.

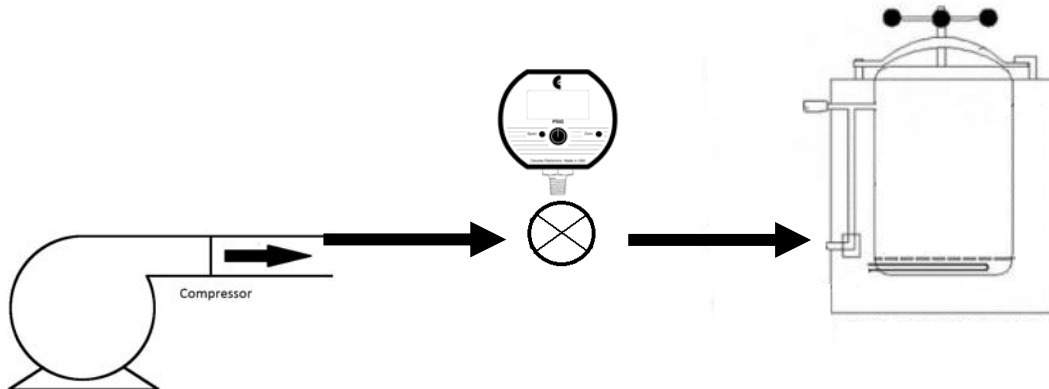
**Solution:** The customer purchased a DPG1000B. The DPG1000B provides the customer an accurate visual indication of the reservoir pressure, in addition the ruggedness of the gauge ensures that calibration was maintained.




DPG1000B  
Digital Pressure Gauge



Photo by Udhayinfo1



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