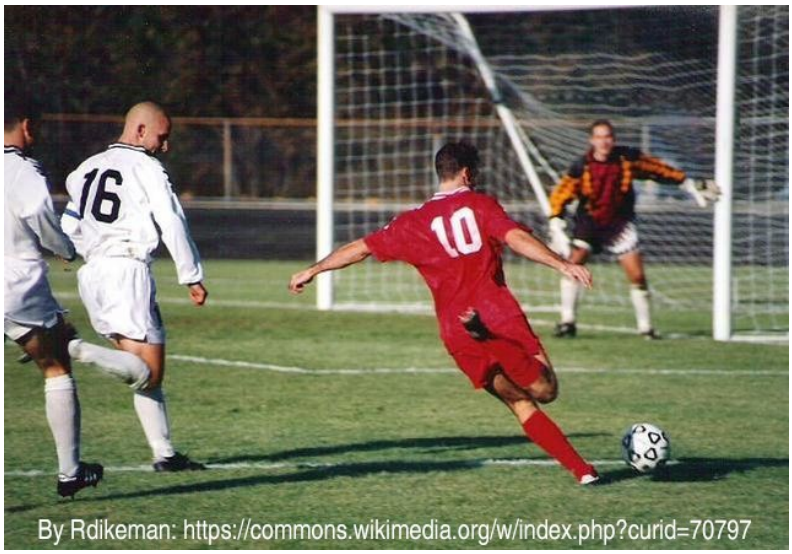
Monitor QC pressure test on soccer balls

APPLICATION C157

Type of Company: Manufacturer, Soccer Balls
Location: Oregon



The recognized international governing body of soccer is FIFA. FIFA requires that soccer balls maintain a pressure between 0.6 and 1.1 bar (at sea level) during the entire game, which ensures that the ball will respond consistently when making long passes and deep crosses. During an average game the ball is kicked approximately 2000 times and it needs to perform identically to the way

The Engineering Issue

- The engineer has a QC test requirement to inflate the soccer ball to 0.8 bar and ensure that the pressure loss does not exceed 0.15 bar after 72 hours.
- The gauge needs to be portable, rugged, accurate and have an easy-to-read visual indication of the pressure.

The engineer used a Cecomp DPG1000B to monitor the pressure and record the pressure values on their test documents. This Cecomp gauge has 0.25% accuracy over the full pressure range so it is very accurate and easy to read. It is also very rugged both electrically and mechanically.

Problem. Solved.

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