

Success Story

Fumex Air Filter

The Problem

There's currently no reliable way to directly monitor filter blockage in a Fumex Air Filtration System. Until now, the only way operators knew to change the filter was when they smelled a foul odor. As such, air quality issues are frequent during operation.

SensoNODE™ Blue is Parker's series of Bluetooth-powered sensors. Compact, energy-efficient, and wireless, they are designed to provide simple and useful solutions for diagnostic and condition monitoring applications. SensoNODE monitors assets to help predict problems and prevent downtime, and delivers the information to your mobile device.

Voice of the Machine™ Industrial Mobile App gives access to machine and process measurements right on your mobile device. The user-friendly interface makes connecting to sensors uncomplicated and measurements easy-to-read. With customizable dashboards and alarms, you can focus on the data that's most important to you and be alerted when your measurement thresholds are exceeded. Exporting of data is done with a click of one button, which sends a .csv file right to your email.

The Solution

Installing a SensoNODE™ Blue pressure sensor in the line helped operators detect drops in air flow, indicating a potential blockage.

After establishing a baseline pressure level, monitoring the sensor's reading periodically allowed operators to notice pressure spikes, indicating potential blockage. This helped them to better predict filter maintenance requirements.

Further investigation may be required to determine the best location for the sensor.



Success Factors

Accurate monitoring of line pressure with immediate or historic data trends.

Advanced condition monitoring to identify and resolve issues before they escalate into problems that lead to downtime.

When used with the Voice of the Machine™ Industrial Mobile App, user-defined alarms warn of dramatic pressure drops or spikes alerts appearing on a user's mobile device.

Customer Value

Allows maintenance staff to address air flow issues by monitoring pressure levels. This helps operators know when to replace filters with better consistency before air quality issues result in equipment damage, reduced product quality, and possible downtime.



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