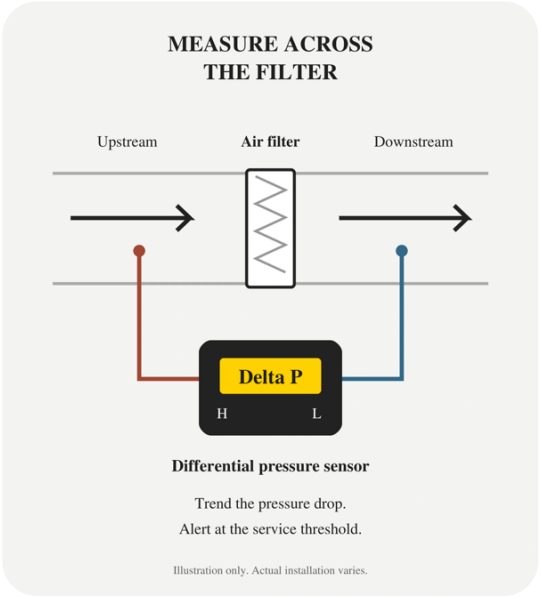
AIR FILTER DIFFERENTIAL PRESSURE MONITORING

Uptime IQ
Sensors. Data. Insight. Action.

Change filters when condition calls for it.
Differential pressure monitoring for RTUs and data centers.

#DP1026





FILTER PRESSURE MONITORING

CONDITION-BASED SERVICE ALERTS

WIRED & WIRELESS OPTIONS

CLOUD OR ON-PREM VISIBILITY

THE CHALLENGE

RTUs and data center air-handling systems can have very different filter-loading rates. Calendar-based replacement may discard filters with usable capacity, while delayed service can leave a loaded filter restricting airflow. Manual gauge checks also leave gaps between inspections. Teams need a clear, shared view of filter condition so service follows the needs of each unit.

THE SOLUTION

Banner differential pressure sensors measure the pressure difference between the upstream and downstream sides of an air filter. UptimeIQ brings those readings into custom cloud or on-premise dashboards. A clean-filter baseline and appropriate service threshold help teams track loading, anticipate maintenance, and receive an alert when the configured changeout condition is reached. Wired or wireless options support existing RTUs and data center air-handling equipment. Pressure trends are reviewed at comparable airflow or fan operating conditions.

THE BENEFITS

- Avoid premature filter replacements and associated labor
- Receive alerts when the configured service threshold is reached
- Use pressure trends to anticipate filter maintenance
- Prioritize service across RTUs and data center cooling units

Use a condition-based alert to trigger filter inspection and replacement planning, while observing manufacturer limits and site requirements. Savings depend on filter cost, loading, labor, and the existing replacement schedule.

OVERVIEW

- Banner differential pressure sensor
- Upstream/downstream tubing and pressure taps
- Gateway or suitable wired data connection
- Custom cloud or on-premise dashboard
- Filter-specific baselines, thresholds, and alerts

WHY UPTIMEIQ?

Custom dashboards bring filter condition and service priorities into one view for your facilities team.

Proud Integration Partner

BANNER
more sensors, more solutions

Illustrative rooftop photo: existing UptimeIQ HVAC sheet. Diagram: UptimeIQ. Pressure trends help anticipate service; remaining life is not guaranteed.
Technical reference: Banner Engineering - Air Filter Monitoring (B_51811909). Baselines and thresholds must suit filter and airflow conditions.

Let's Talk

See how UptimeIQ can help monitor your critical assets.

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SCAN TO REQUEST A DEMO