

PulsePro™ Instant Leak Locating System

Used with PulsePro Control System to instantly locate leaks by row in pulse-jet collectors.

The PulsePro Instant Leak Locating System is the most dependable and effective system available for locating filter leaks by row in pulse-jet baghouses and cartridge collector housings. It was the first to incorporate the effects of fabric filter cleaning cycles into filter leak detection and analysis. The system is so precise that it can identify the difference between a 2 mm and 4 mm hole in one filter.

Leak Locating capability is added to your PulsePro Control and Monitoring System as an option that also includes locating failed solenoids and ruptured diaphragms.

Features

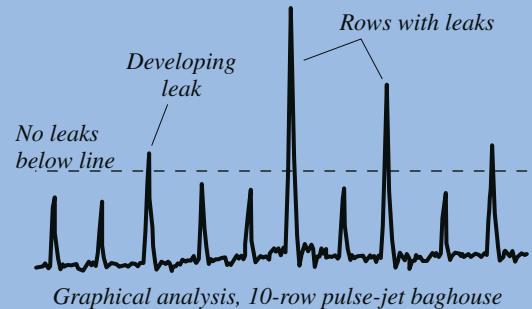
- No tuning, span adjustment, or signal smoothing required.
- Quantitative row by row report (not an idiot light system).
- Not confused by varying pulse timing.
- Logarithmic amplifier resolves peaks without adjusting span.
- On-screen display for instant leak locating at the process.
- Remote display and logging with Windows PC software.

Benefits

- Save time and money by changing only the leaking filters
- Reduce employee exposure to dusts

Operating Principle

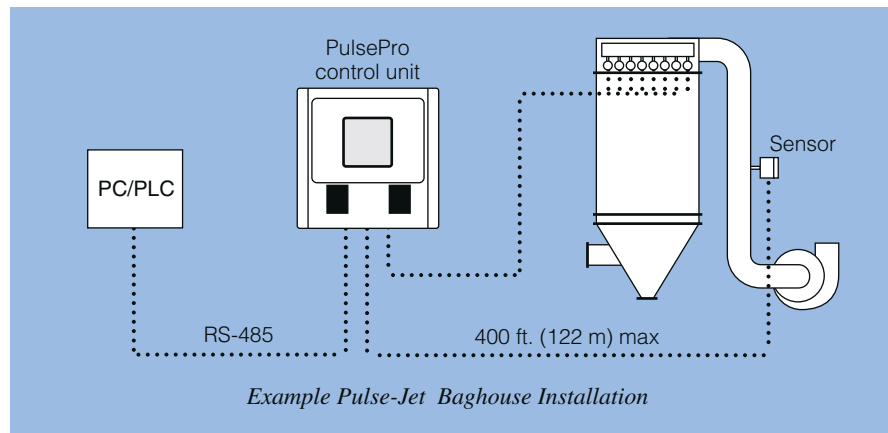
Emissions from a pulse-jet filter “spike” each time a row of filters is pulse cleaned. This is due to filter cake removal and fabric stretching. When filters are torn, the peak of the spike will increase above normal levels.



Leaks are located by determining the peaks and correlating the data to the row being cleaned. The PulsePro accomplishes this using its microprocessor and an interface board that is hard-wired to each output of the cleaning timer.

BANK 1	ROW 1	36pA
BANK 1	ROW 2	30pA
BANK 1	ROW 3	77pA
BANK 1	ROW 4	42pA
BANK 1	ROW 5	37pA
BANK 1	ROW 6	3557pA
BANK 1	ROW 7	35pA
BANK 1	ROW 8	2646pA
BANK 1	ROW 9	34pA
BANK 1	ROW 10	55pA

Numerical analysis



and confined spaces.

- Best solution to maximize product recovery and meet EPA regulations.
- Prevent unexpected shutdowns and minimize downtime.
- No need to use fluorescent leak powders.