



cem solutions
CONTINUOUS EMISSIONS MONITORING

PFM 13

Particulate Filter Monitoring



Product Information

Monitoring of filter plants can be either indicative (highlights an error/change) or quantitative (gives specific values). It can be at a single point or as part of a multi-sensor system.

Optional evaluation software is available to provide a continuous overview of the performance of a Particulate Filter and, in the event of a failure, quickly determine its specific location.*

* Multiple sensors can be used to monitor separate compartments within a single filter plant.

APPLICATION

The PFM range of monitors have 5000+ installations worldwide and are suitable for use in a wide range of applications/industries:

- Quarries/ minerals
- Metal recycling
- Bag filter plants
- Road-stone dryers
- Coating plants
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- Metal recycling
- Bag filter plants
- Road-stone dryers
- Coating plants



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PARTICULATE FILTER MONITORING ENABLES:

- Reduced plant down-time
- Early detection of failures
- Minimising loss of valuable product
- Improved environmental conditions
- Minimising 'nuisance' dust emissions

FURTHER BENEFITS:

- Low initial outlay
- No consumables
- Optimised maintenance routines
- Optimised maintenance intervals
- Simple commissioning

FILTER MONITOR PFM 13

The PFM 13 is specifically designed to detect early failure of bag filter plants. This compact, cost effective probe either works individually to determine an overall fault, or can be coordinated as part of a multi-sensor system to localise faults in your process.

- Qualitative dust measurements
- Compact design
- Low service requirements

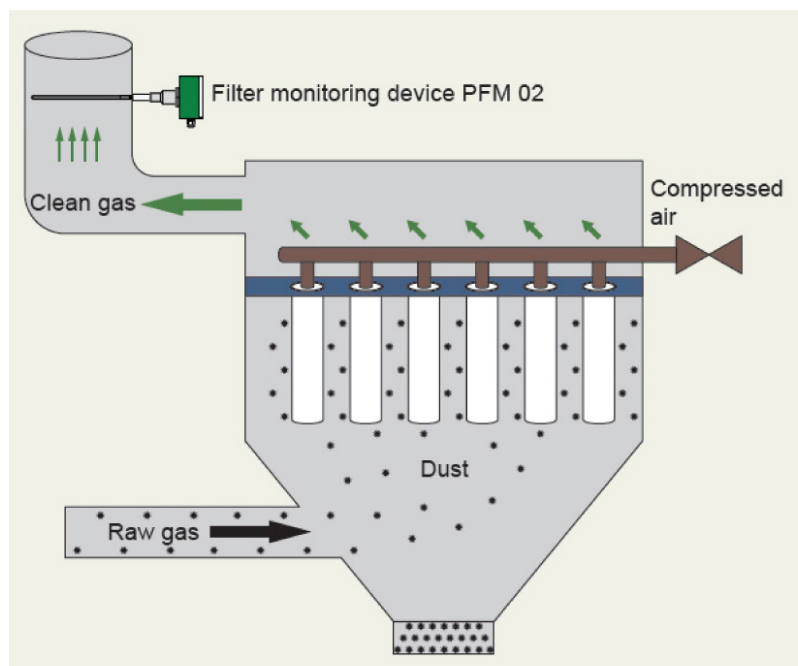


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PFM installation point on a bag filter plant



PFM display



TECHNICAL DATA PFM 13

Case	Compact device with integral control unit, IP65
Dimensions	100 x 120 x 530 / 730 mm (w x h x d), weight - 1 kg
Measuring Range	0-100% Dust
Probe	Triboelectric probe
Display	Numerical display in probe head (optional; no display)
Gas Temperature	Maximum 280 °C (higher on request)
Ambient Temperature	-20 to +50 °C
Flow Velocity	>3m/s
Analog Output	4-20 mA
Digital Signals	Limit value 1, limit value 2
Power Supply	+24V DC (via 4- 20 mA loop)

