PFM 13
Filter Monitoring device

01 PFM 13 Filter Monitoring device

The PFM 13 filter monitor is a very sensitive in-situ device for continuous dust measurement. The qualitative dust measurement is based on the triboelectric measuring principle.
Applied as a filter monitoring device it is an effective instrument to detect and localize damages to filtering precipitators at an early stage.



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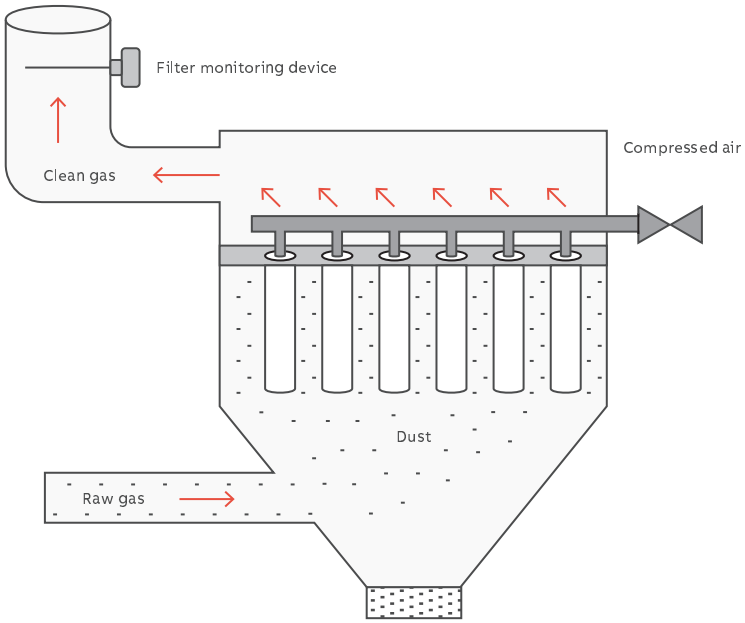

Advantages and features:
- Immediate filter check without previous gravimetric calibration
- Low investment costs
- Simple design, no sensitive or mechanically moved parts
- Plug-and-play device: easy to install and maintain; the clamp connection enables quick Installation, as well easy disassembly for maintenance
- One-side installation, no mechanical alignments or adjustment, no special tools needed for installation
- IP 65 protected, therefore no weather protection needed (-20 to 50°C)
- Local diagnosis of system status by integrated graphic representation
- No separate power supply required (2-wire transmitter)
- No purge air blower required
- Low operating costs, no time-consuming cleaning operations
- High sensitivity with respect to the measuring range
- Robust design ensures a long lifespan >10–15 years

Uses:
- Accurate, routine, observation of filters, i.e. preventive maintenance
- Localization of defective filter bags allows selective replacement
- Saves costs for replacement bags
- Maximizes filter life
- Avoidance of visible exhaust gas plumes and therefore keeping a more positive corporate image
- Avoidance of product losses

Special PFM 13 versions available :
- Compact versions without display
- EX approved for Ex II 3D Ex ic tc IIIC T80°C Dc for ATEX installations in hazardous areas of zone 22