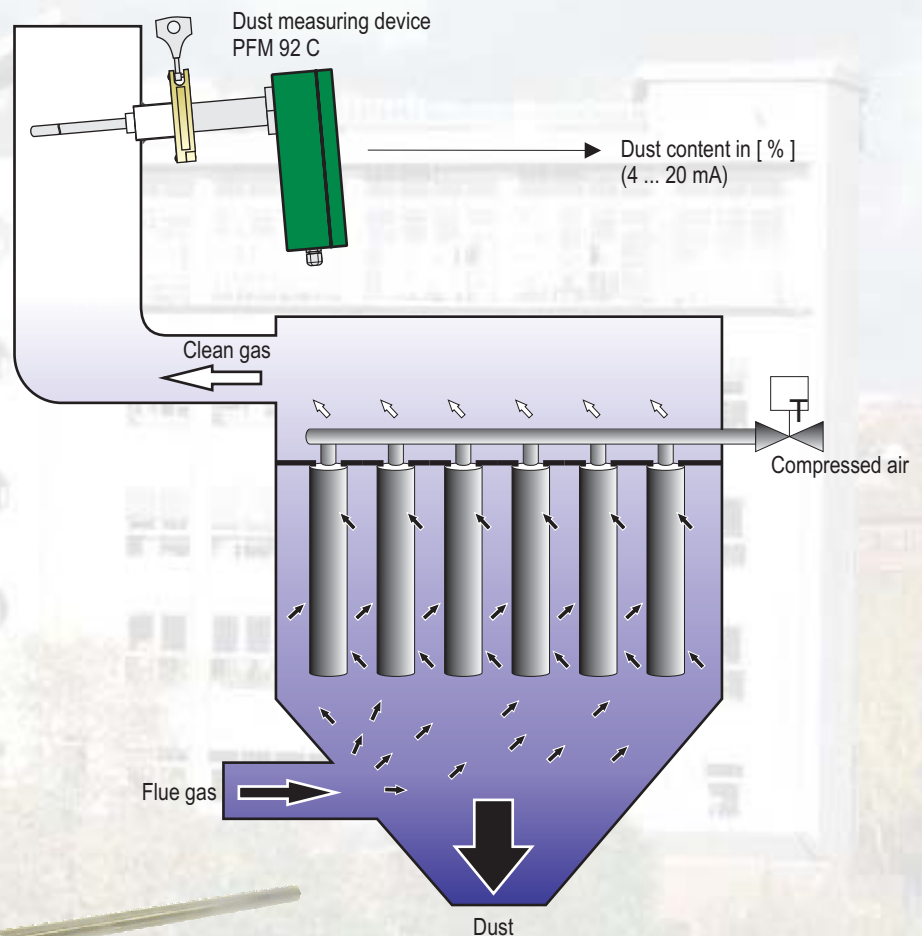




Product information PFM 92 C

In these days operating a modern filter facility can be rarely realised without permanent control of its dust emissions. This is not only relevant for the responsible authorities but also for operators themselves getting profits from important advantages:

- Emission measurement and filter monitoring by means of one device
- avoidance of visible exhaust gas plumes
 - Simplification of maintaining filter facilities due to:
 - early identification of beginning filter wearing
 - localisation of defective filter elements
 - possibility of determined maintenance works
- Avoidance of product losses
- low-maintenance operation
- simple installation of the device



PFM 92 C

The filter controller PFM 92 C

A filter controller is a perfect device in order to determine effectively damages at filtering precipitators. The use of the triboelectric measuring principle (charge transfer of particles at conductive surfaces) guarantees a device simply to install and handle.



Highlights of the device:

- Compact system as unit of probe and control device, therefore easy installation
- Variable possibilities for application due to a probe rod adjustable to the conditions on customer's site
- Low-maintenance operation and very small operational costs
- Variable voltages 24 VDC or 230 VAC
- TUV approval according to TI Air
- Simple installation via a 1" weld-in sleeve and Tri-Clamp swap closing
- Analogue output for the dust signal for continuous recording of measuring values
- Excellent cost effectiveness

General technical data

Case:	Compact device (control unit integrated)
Dimensions:	80 x 175 x 65 mm (W x H x D), weight 2 kg
Probe:	triboelectric probe with variable length (30 - 500 mm)
Measuring range dust:	0 ... 100 % or 0 ... 10 (1.000) mg/m ³ 4 measuring ranges are available
Calibration:	by gravimetric reference measurements (for filter analysis not necessary)
Media temperature:	max. 250 °C (higher temperatures on request)
Ambient temperature:	-20 ... +50 °C
Dew point difference:	min. +5 K
Flow velocity:	from ca. 3 m/s
Analogue output:	4 ... 20 mA dust
Digital outputs:	failure, 2 freely adjustable limit values (0 - 100 %)
Power supply:	110 VAC, 230 VAC / 50 - 60 Hz, 24 VDC
Power consumption:	5 W
TÜV-approval:	TI Air
Electro-magnetic compatibility:	EMC-guideline 89/336/EEG and low voltage guideline 73/23/EEG are complied with