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M E S M A  
T R A D I N G

## Flow Dosing Unit Type DPM

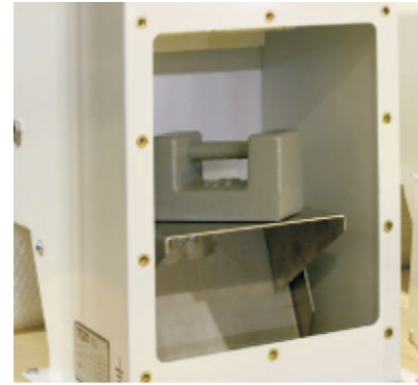


ATEX



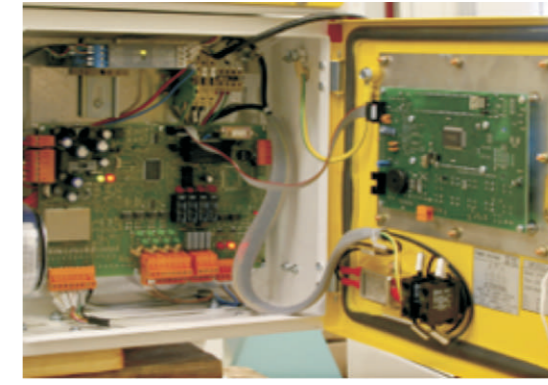
## Characteristics of the Flow Dosing Unit Type DPM

### Easy & quick calibration



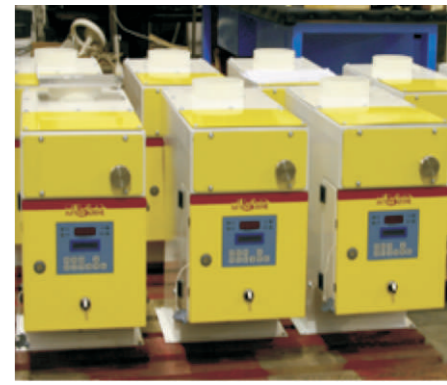
The calibration is performed on site by placing a standard weight on the flow sensor. The system is precalibrated in the factory thus requiring just a few easy actions for re-adjusting. Through an external adjusting screw it is possible to modify the inclination of the tray in order to obtain the pre-set weight value.

### Electronics control



Developed with the latest technology in electronics components, it is fully integrated and easily accessible for maintenance and wiring. The detecting of the impact force is done through top performance A/D converter used in the weighing systems. Input and output are protected from any wiring error and from electromagnetic noises, making these instruments really industrial.

### Field bus



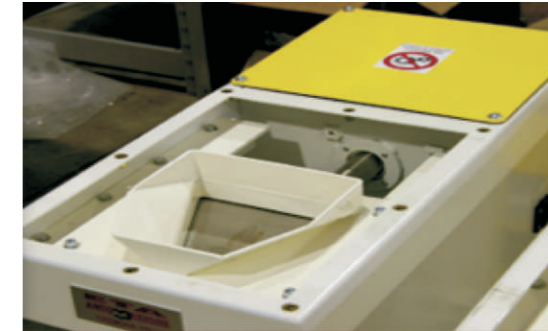
In the age of the communication systems we cannot ignore this nowadays fundamental aspect. Three communication field busses are available: Profibus DP / Modbus / TTY (current loop). The DPM is perfectly integrated in new automation systems and in existing ones, allowing replacement of existing flow control systems.

### User control panel



Easy and intuitive, it allows the operator to set the machine by touching a few buttons. The alphanumeric LCD display makes the setting of the parameters easy for the operator. The decisive flow rate is shown on a red LED display.

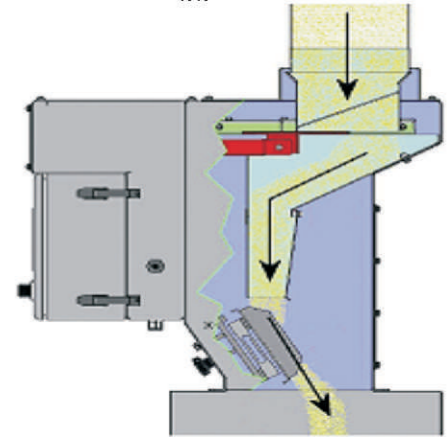
### Safety



The pneumatic drive guarantees high operator security and, in case of electric black-out, a quick putting in closing position. Wiring, electric panel and electronic components have been designed to pass any standard tests. On request a version of DPM according to ATEX standards for use in area 22, certified by German TÜV, is available.

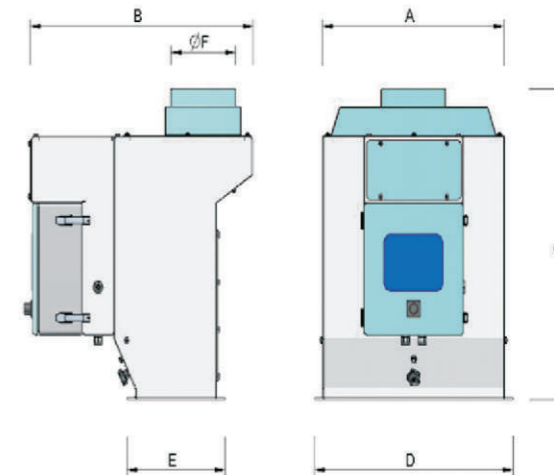
### Working principle

The dosing unit DPM is based on measuring the impact force of the flow on a diverting tray. The force is accurately measured by a load cell, and the adjustment is done by a pneumatic motor sliding gate.



### Technical data

	DPM 25	DPM 50
A	300	550
B	670	670
C	703,5	703,5
D	350	600
E	295	295
øF	150	195
Capacity P.S. 750 kg/m <sup>3</sup>	25T/h	50T/h



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