




DRY SMOKES  
AND DUST





# PULSATRON COMPACT™ ATEX Cartridge filter

## The Pulsatron Compact® ATEXrange includes compressed air self-cleaning high efficiency cartridge filters that can solve all dry filtration problems

The polluted air enters the filter passing through a pre-chamber which manages the separation of the coarser particles; the flow then passes through the cartridges depositing the contaminated outside them, while the clean air is discharged from the filter head. An automatic cartridge cleaning system maintains suction capacity, washing it with a puff of compressed air that blows the dust into the specific collection drawer or bin.

The high filtering surface of each cartridge allows a small footprint, which allows, compared to traditional bag filters, to install the Pulsatron Compact ATEX  even near the source of pollution.





Pulsatron Compact ATEX  cartridge filters have been designed and manufactured to ensure adequate application in ATEX  I3D T155 qualified environments.

The design was carried out using the collaboration of experts in the ATEX legislation and with the use of cutting-edge design software such as Cosmos Fem and Solid Works3D.

Through the Cosmos program our technicians have carried out several explosion simulation tests, thanks to which we have been able to intervene on the structural parts, in order to guarantee our high resistance to our Pulsatron Compact ATEX cartridge filter.



Optional:

- ▶ Electrical  panel with Start & Stop
- ▶  DP
- ▶ Absoluted final filter
- ▶ Silencers
- ▶ Mechanic shaking system for cleaning cartridges
- ▶ Automatic discharging system
- ▶ Compact sparks separator
- ▶  resettable relief valve
- ▶  non-return valve



## Advantages

- ✔ Efficiency:
  - ▶ Emissions  $\leq 5 \text{ mg/Nm}^3$ \*
- ✔ Low Noise 68/75 dBA depending on the model
- ✔ Limited maintenance, thanks to an efficient compressed air backwash system (Pulse-Jet)
- ✔ Modular systems
  - ▶ Standard model from 2 to 16 cartridges
  - ▶ Standard model from 1000 to 16000 m<sup>3</sup>/h
- ✔ Tailored and customized systems solutions
- ✔ Technical support and after-sales service

\*Other emissions reachable on request



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