

SELF-CLEANING BAG FILTERS -PJB dynamic

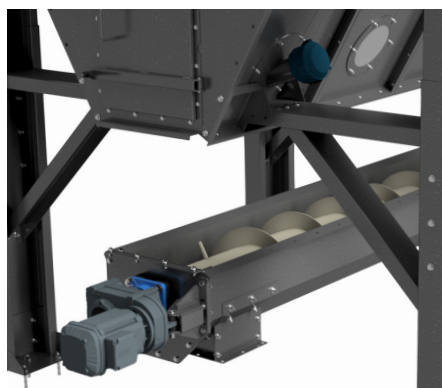


These filters represent the definitive solution for the **extraction and filtration of dust and dry residues of any type**, particle size and concentrations.

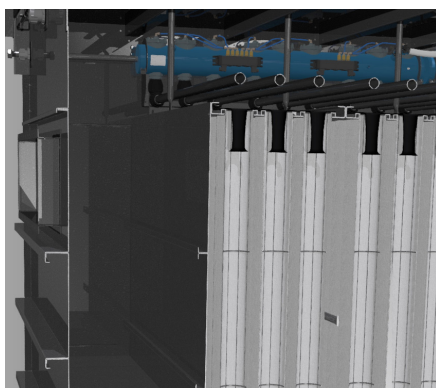
It is characterized by very **high efficiency, versatility and modularity**, in full compliance with the regulatory limits in force regarding dust emissions.

SECTORS AND APPLICATIONS

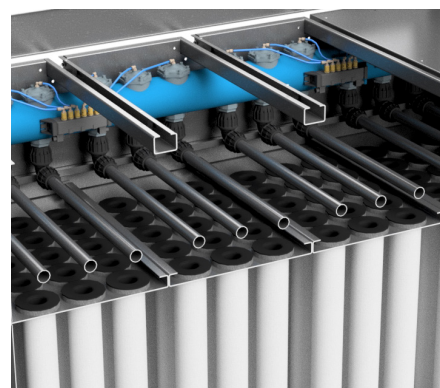
The versatility of these systems makes them **suitable for various sectors** such as: foundries, steel mills, mechanics, wood, minerals, plastics and rubber, food, biomass and waste, energy production.



Screw conveyor extractable from below



Pre-settling chamber



Smart "dynamic" cleaning system

ADVANTAGES

- **High filtration efficiency up to 99.8%** (Average output concentration <5 mg/Nm³) with specific filter media for each pollutant and in continuous heavy applications (24/24h).
- **Modularity and compactness** of the system with versions from 5.000 to 120.000 m³/h.
- Construction in different materials according to the application (supplied assembled or disassembled).
- Applications for temperatures up to 60°C.
- Operation under pressure or depression.
- Maximization of performance through **flows optimized internal geometry**, which minimizes pressure drops, with the possibility of lateral, upper or lower inlet.
- The distribution of the filtering bags reduces the upward speed with a consequent **increase in operating efficiency**.
- The settling plenum between the filtering bags and the hopper allows a better pollutant settling, improves efficiency and increases the life of the filter media.
- **The automatic filtering bags cleaning system "dynamic"** significantly increases the cleaning efficiency with a consequent **reduction in electrical absorption**, maintaining the efficiency of the filter unchanged during the different working phases.
- **High discharging reliability** thanks to the use of the increased screw conveyor.
- The screw conveyor's bearings protection system increases the life of the moving components **by eliminating the risk of leakage and/or clogging**.
- Maximum safety for the operator in carrying out routine maintenance operations thanks to the convenient access ladder and upper protections.
- **Quick replacement of the filtering bags** thanks to the internal tank that have not to be disassembled.
- **Easy maintenance** even in small spaces, thanks to the screw conveyor extractable from below.
- Versions with **ATEX protection** devices.



MAXIMUM ENERGY EFFICIENCY

The «PJB dynamic», which is equipped with top-level components in terms of reliability and easy availability on international markets, is the heart of OMAR filtration systems.

In addition, the intelligent «**SMART FLOW SYSTEM**» totalizes and modulates, in a self-adaptive way, the extracted airflow needed by the system **to maximize energy savings** of up to 50% compared to traditional systems

OMAR systems are equipped with **user-friendly controls** that can be perfectly **integrated into 4.0 factory systems**.

ACCESSORIES

- Discharging screw conveyor extractable from below
- Rotary valves
- Pneumatic transport
- Discharging kit on the big-bag
- Discharging kit on the box
- Temperature sensors
- Rotation sensors for screw conveyors and rotary valves
- Kit for the positioning in ATEX 22 zone
- Internal ring against fire