

TGT[®] Filter

Low pressure pulse jet bag filter



TGT[®] Filter, the filtration solution combining industrial performance and sustainable development

- High-capacity filter with long bag length and compact footprint
- Efficient and reliable on-line cleaning mechanism ensuring low particulate emissions
- Stable and easy operation, reduced maintenance and longer bag lifetime for lower operational costs

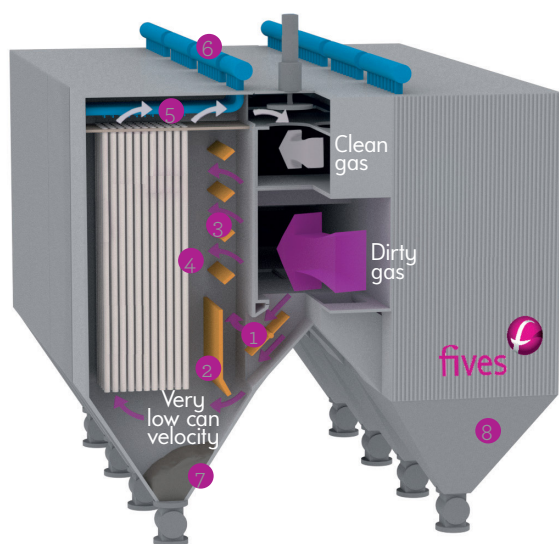
TGT® Filter, an optimized design for on-line low pressure cleaning

Applications

Cement	Mineral
<ul style="list-style-type: none">• Kilns• Raw mills• Alkali by-pass• Clinker coolers• Finish mills• ESP conversion	Dry mineral grinding

Typical features

Round bag diameter	127 mm
Length (according to the application)	Up to 8 m
Number of bags per row	17 to 22
Can velocity	0.4 - 0.5 m/s



- ① Inlet isolation damper
- ② Distribution baffle
- ③ Distribution vanes
- ④ Partial side entry to bags

- ⑤ Blow pipes
- ⑥ Header and piston valves
- ⑦ Dust directed to hopper
- ⑧ Hoppers

Compliance with the most stringent environmental regulations by reducing efficiently the emissions to very low levels.

Conversion of ESP with minimized costs and shutdown time.

Significant reduction of the maintenance and operational costs of the filtration system.

High efficiency design

Long bag length for high capacity.

Filter body designed to ensure an optimized gas and dust distribution within the whole body of the filter, minimized can velocities and limited re-entrainment.

Modular design available for an easy installation.

Reliability

Proprietary cleaning system using optimized integrated piston valves specially developed to maximize the bags lifetime and to ensure a reliable cleaning mechanism.

Compartment design for an easy & smooth on-line maintenance. Optional bag leak detector for bag diagnostics and emissions monitoring.

Efficient low pressure cleaning

«On-line» cleaning sequence with accurate control via PID control loop based on a single set point for a constant pressure drop and a better process stabilization.

Large capacity piston valve providing a rapid and powerful opening.

Cleaning of the bags with a large volume of low pressure air imparting maximum and efficient cleaning effect.

Fully automated operation.

Get Green

- Low pressure operation limiting shock-wave phenomenon and dust carry-through to ensure a low emissions level.
- Optimized compressed air consumption.
- Revamping of existing installations by ESP conversion.

On-line cleaning for reliable and stable operation.

Reduced cleaning frequency.

Longer bag lifetime.

Compact footprint.

Easy on-line maintenance (option).

Semi off-line or off-line cleaning (option).

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