Self-ceaning filters

Maintenance-free filtration for industrial use — saving time and ensuring continuous operation without downtime or manual cleaning.

A self-cleaning filter is a type of filtration system designed to clean itself automatically, without the need for disassembly or manual cleaning. These filters are commonly used in industrial applications where continuous operation is critical, and where the volume or nature of contaminants could quickly clog traditional filters.

Technical data

Cleaning method:

Back-flushing (Back-washing): The flow of liquid or air is temporarily reversed through the filter, dislodging and removing trapped particles.

Mechanical scrapers or brushes: Internal components like rotating brushes or scrapers physically remove debris from the filter surface.

Suction scanning (vacuum nozzles): Suction nozzles move across the filter screen and suck off the particles.

Ultrasonic or vibration cleaning: Vibrations help shake loose particles for removal.

FEATURES

- Continuous operation – no need to interrupt the process for cleaning
- Low maintenance requirements – reduced downtime and minimal manual intervention
- Constant flow and pressure – cleaning takes place before significant clogging occurs
- More effective removal of large amounts of contaminants compared to disposable filters

APPLICATION

- Wastewater treatment
- Cooling systems
- Chemical and petrochemical industry
- Food and beverage industry
- Paint and coating industry
- Paper and pulp industry
- Fuel and oil filtration

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