

Protect your life
and your property

**ATEX PROTECTIVE
SYSTEMS AND FIRE
PROTECTION
SYSTEMS**



 **Filtrowent**[®]

The clean **air** factory



01

Explosion decompression panels



- **Explosion vents (decompression panels)**
- **Flameless explosion venting**

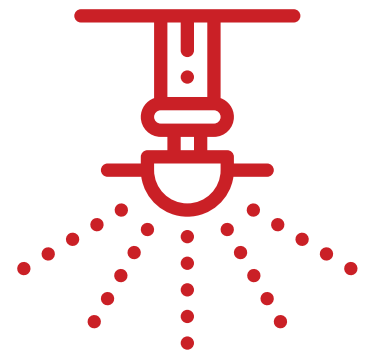
Explosion venting has been used in industrial dedusting for decades as an effective and economic solution for production plants where an explosion can occur. When planning the location of the decompression panels it is necessary to consider the risk and effects of the fire ball (its pressure and flame). Explosion has to be directed into a safe area. In order to limit the flame range and explosion effects, an ideal solution is to use flameless explosion venting system, which can be installed indoors and densely built installations.



- **Explosion isolation flap valves**
- **Rotary valves**

Flap valves are mechanical devices which are used for isolating the flame and the pressure of the explosion from spreading into other parts of the pipeline. In case of explosion, the flap valve is closed by the shock wave and this way prevents the explosion from spreading. The flaps are installed on pipelines at a specified distance, thanks to which they work as a multilevel protection of a dedusting system.





- **Spark detection and extinguishing system**
- **Sprinklers – dry raiser installation**

Every year thousands of explosions caused by flammable substances such as gasses, dusts or liquids happen in various places all over the world. Explosions can cause enormous damages to the processing machines and factory buildings and they are a deadly hazard for the life and health of the people. Instead of taking actions aiming at minimizing the effects of fire or dust explosion, it is much more effective and wiser to take preventive measures against these hazards. An adequately designed production process, proper housekeeping of the working area are the key elements. The spark detection and extinguishing systems offered by our company are a crucial part of the protective systems.

The logo for Filtrowent, featuring a stylized green and blue square icon to the left of the word "Filtrowent" in a bold, blue, sans-serif font with a registered trademark symbol.

Filtrowent®

A graphic element consisting of a white arrow pointing to the right. Inside the arrow, there is a red clock icon with a white checkmark inside it, followed by the text "24h" in large red font, "SERVICE" in white bold font on a dark blue background, and "365 / YEAR" in white bold font on a red background.

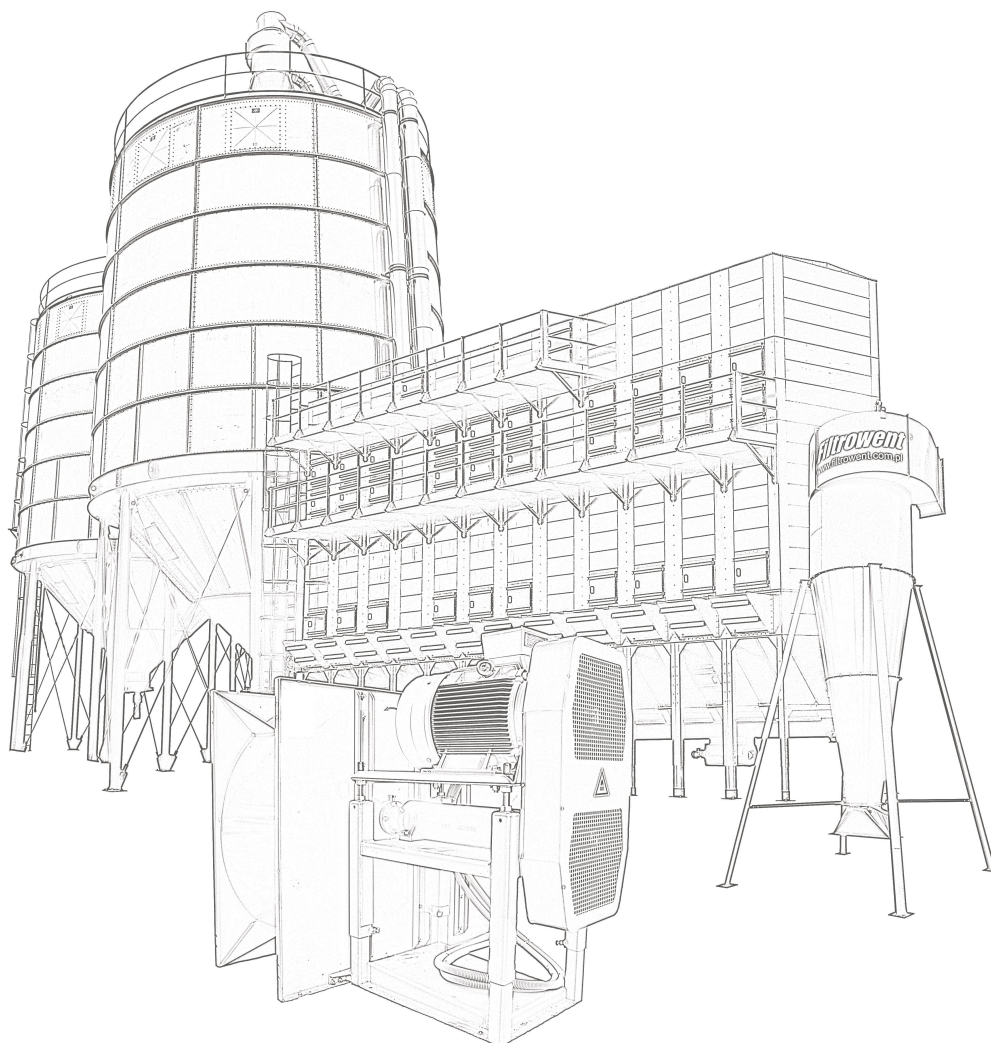
 24h
SERVICE
365 / YEAR



The fact that your dedusting installation works does not necessarily mean that everything is in order. Certain mechanical components and protection devices require regular control and maintenance, therefore, our specialists are ready to implement an effective schedule for your budget and for your needs. With our service team and planned inspection schedule you will make sure your dedusting installation is well maintained, fully operating and safe for the operating staff.

Call us and book the maintenance service for your dedusting installation:

+48 61 44 22 462 or serwis@filtrowent.com.pl



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