

Optimize industrial dust filters

INDUSTRIAL DUST FILTERS THAT ALWAYS PERFORM

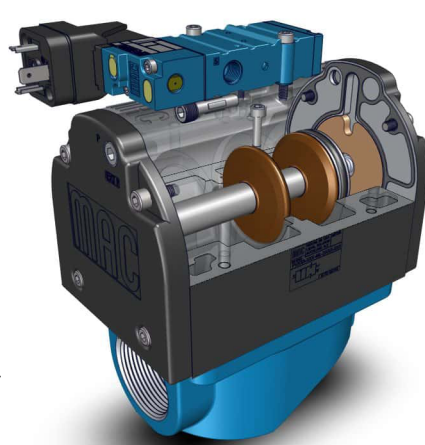
Dust is a challenge in any industrial environment. It affects air quality, **employee safety**, and the efficiency of your processes. In many cases, it is also a legal requirement to install a proper dust filter, and doing so also contributes to a **healthier environment** and a better future for us all. At LDA, we understand that a well-functioning industrial dust filter not only removes dust but also reduces your operating costs and extends the life of your equipment. With our **solutions**, you can ensure a cleaner, safer working environment and save money.

WHY OPTIMIZE YOUR INDUSTRIAL DUST FILTERS?

Dust filters are essential, but traditional systems often encounter **problems** such as:

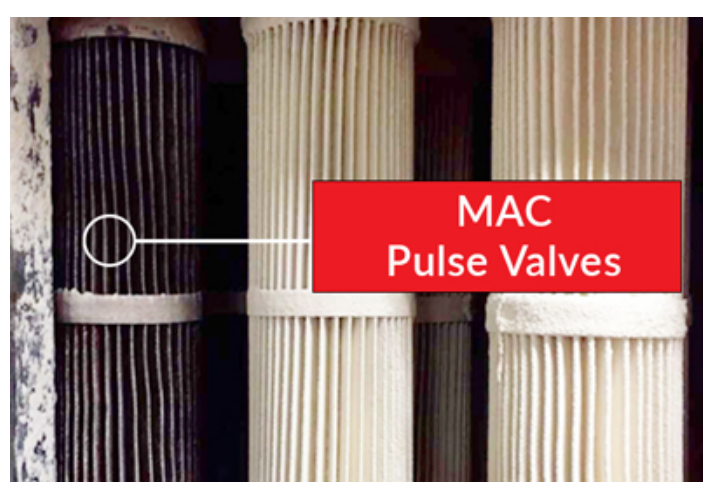
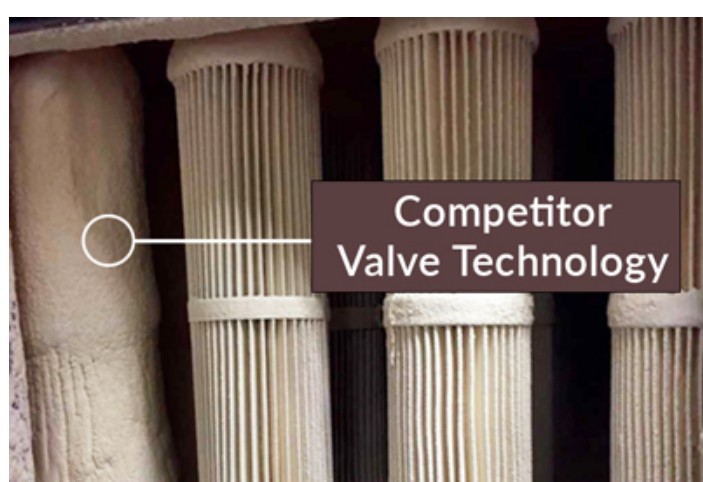
- Increased energy costs due to inefficient air pulses and leaking valves.
- Frequent maintenance due to wear and tear and jammed parts.
- Reduced performance due to dust accumulation and insufficient cleaning.
- Short service life of filters and valves, leading to high replacement costs.

At LDA, we offer **solutions** that turn these challenges into advantages. By **optimizing dust filters**, they last longer. Less maintenance is also required. With MAC Valves' Pulse Valve technology, you can ensure a reliable and cost-effective dust control system.



Whether you are active in the food industry, pharmaceuticals, chemicals, or mining, these solutions can be applied in any environment. Our solutions offer, among other things:

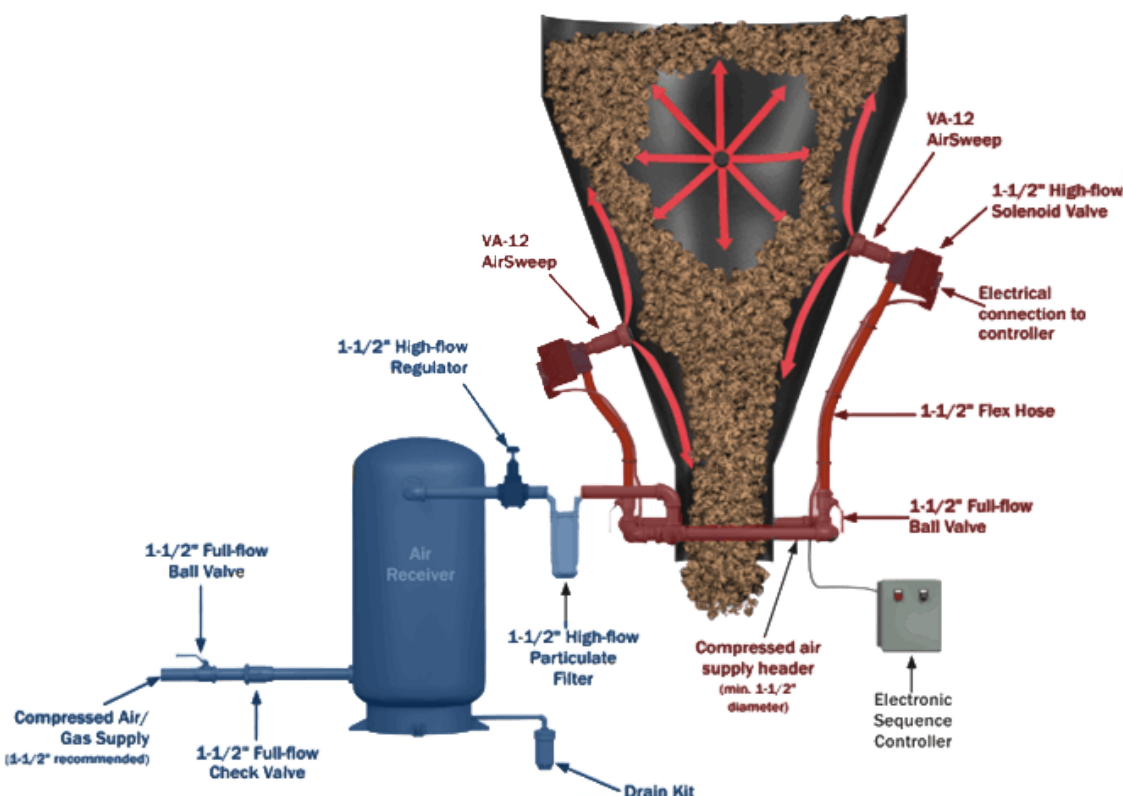
- **Energy savings** thanks to powerful, targeted air pulses that effectively remove dust with fewer pulses and less air consumption.
- **Longer filter** and valve life through the use of vulcanized coils that last up to 10 million cycles, far exceeding the industry standard.
- **Less maintenance and downtime** because our valves are less prone to wear, jamming, or leaks, resulting in lower operating costs.
- **Optimal filter performance** because strong pulses prevent dust buildup and maintain constant airflow, improving the efficiency of your entire system.
- **Safety and ease of use** with simple installation and manual testing options, allowing your team to work quickly and safely.



But an optimal production environment goes beyond just clean air. It's also about keeping your **materials flowing smoothly**. That's why you need to keep dust walls, bridging and material build-up in **silos, hoppers or storage tanks flowing**. These are challenges that industrial dust filter hoppers can slow down. With an AirSweep®, your hoppers will be **trouble-free**, ensuring that materials always flow smoothly and in a controlled manner. Whether you are dealing with powders, granules, sticky or moist materials, AirSweep® ensures a reliable, first-in-first-out material flow, without blockages or interruptions.

HOW THE AIRSWEEP® WORKS!

AirSweep® uses powerful, **targeted 360-degree** compressed air pulses that are fired along the inner walls of your storage or process equipment. These pulses break up friction and remove stuck material, returning it to the main flow. The system is easy to mount on the outside of your vessel, silo or hopper, making maintenance and cleaning a breeze. With a patented nozzle design, the system closes immediately after each pulse, preventing clogging or backflow.



The benefits of AirSweep®:

- **Eliminates bridging** and material accumulation for uninterrupted product flow.
- **Easy to install** and maintain, without major modifications to your existing equipment.
- **Energy efficient**, as it uses existing compressed air in your factory.
- **Durable and powerful**, made from high-quality steel for a long service life, even in demanding environments.
- **Versatile application** in metal, concrete, wooden or fibreglass silos, hoppers and chutes.