

GORE® REMEDIA® Filter Bags

Together, improving life



MEETING THE DIOXIN CHALLENGE
WITH FULL CONFIDENCE
IN FULL COMPLIANCE



Dioxin/Furan Compliance

The challenge:
remove particulates
and destroy gaseous
pollutants more
effectively and more
economically

Greater public concern about the threat dioxins and furans pose to the food supply has resulted in more stringent regulatory requirements — sometimes with strong penalties for non-compliance. Now, more than ever, effective dioxin control is essential. But related process changes that require downtime, additional equipment and training, can be time-consuming and costly.

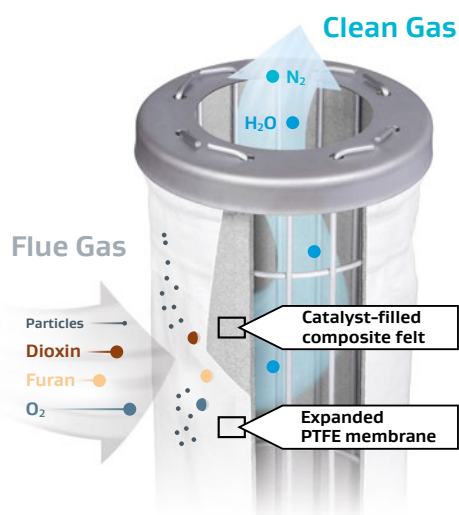
An effective and cost-efficient solution to stricter regulations

W. L. Gore & Associates, the inventor of membrane filtration technology, brings you an efficient and cost-effective way to not just capture the solid phase particulates, but also destroy gaseous dioxins, before they exit your baghouse. The Gore solution is innovative, and yet simple: install different filters in your baghouse. No other process changes. No training. No costly new equipment. The Gore solution can benefit your bottom line, even as it makes your emissions safer for the environment.

Compliance can be easy with Gore's unique abatement technology

GORE® REMEDIA® Catalytic Filter Bags offer substantial benefits over sorbent injection systems for the control of dioxins. They include an innovative ePTFE GORE Membrane, laminated to a catalytic felt substrate. The membrane captures fine particulates on the surface of the filter. The gaseous dioxins and furans pass through it into the catalytic felt where the catalyst instantly reacts with the dioxin and furan molecules to convert them into insignificant amounts of CO₂, H₂O and HCl.

Unlike sorbent-based systems such as powder-activated carbon (PAC), the GORE® REMEDIA® Catalytic Filter Bag does not merely move dioxin and furan molecules from the gas stream to the solid residue stream — it destroys them. Compared to sorbent-based systems, GORE® REMEDIA® filter bags can **decrease total release of dioxin to the environment — both gas and solid phases — by more than 90 percent** depending on system conditions.

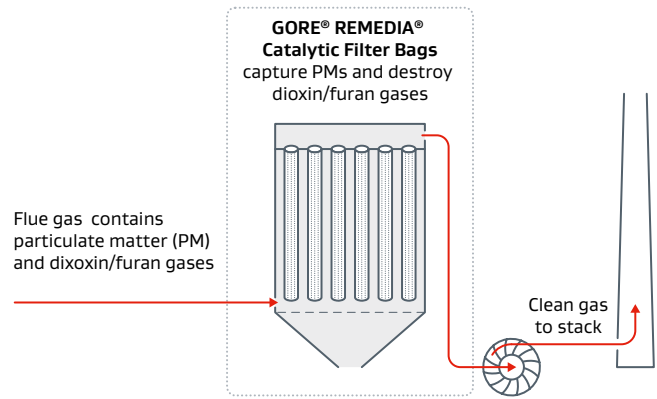


GORE® REMEDIA® Catalytic Filter Bag —
Converts Contaminants, for Cleaner Emissions

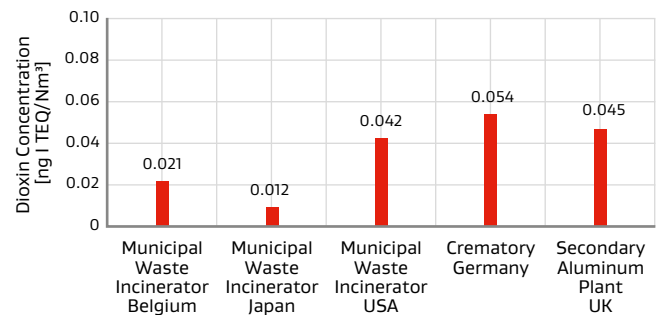
Choose Gore for proven performance, proven results

GORE REMEDIA Catalytic Filters Bags provide a range of benefits compared to other dioxin abatement technologies:

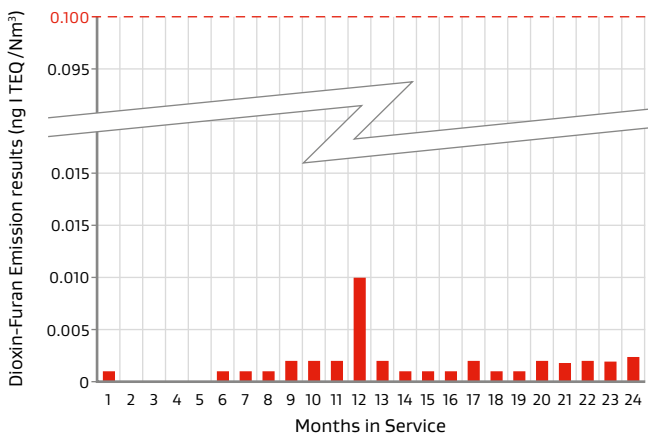
- Passive control technology is proven to deliver consistent performance over many years — safely, economically, and with minimal maintenance.
- Destroys gaseous phase and captures solid phase dioxins and furans to achieve and maintain emission levels far below regulatory limits.
- No additional equipment or process changes are required. Simply replace your current filter bags in your baghouse with GORE® REMEDIA® Catalytic Filter Bags.
- Emissions data from a variety of full scale applications confirm that GORE® REMEDIA® Filter Bags effectively control dioxins and furans to help customer operations remain safely below the regulatory limits.



Full-Scale Systems Stack Emissions



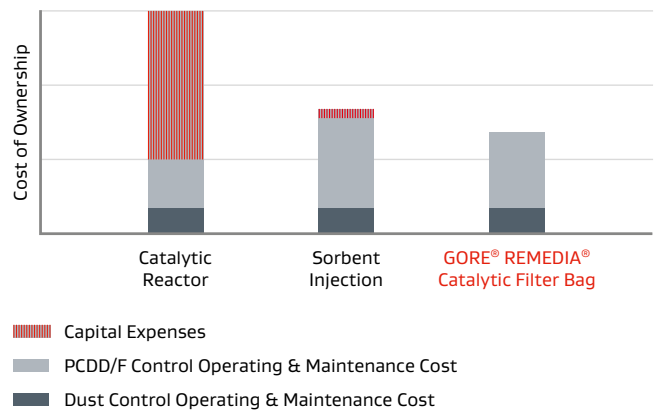
Long-Term Compliance: Proven in Use



Customer: Municipal Waste Incinerator (France)
Dioxin/Furan Emission limit: 0.1 ng I TEQ/Nm³

Total Cost of Ownership

15-Year Comparison of Dioxin/Furan Control Technologies



“The best thing about GORE® REMEDIA® catalytic filters is that the system destroys dioxin instead of simply capturing it. There were no changes to our process or equipment. In addition, no operator is needed after these filters are installed.”

Plant Manager, Municipal Waste Incinerator

The GORE® REMEDIA® catalytic filter system proved to be the simplest solution to our dioxin problem. The worldwide team from Gore provided superior service.

Operating Director, Crematorium

Your Trusted Partner

Gore develops products and technologies that address complex product and process challenges in a variety of markets and industries, including aerospace, automotive, pharmaceutical, mobile electronics — and more. Through close collaboration with industry leaders across the globe, Gore enables customers to design their products and processes to be safer, cleaner, more productive, reliable, durable and efficient across a wide range of demanding environments.

Contact Us

To discuss your needs for dioxin/furan emissions control, please call your local Gore representative, or send your inquiry from our website.

gore.com/remedia

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