Purafil

Comprehensive Approach to Monitoring and Mitigating Corrosion Factors


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In today's fast-evolving technology-driven world, electronics face serious threats from temperature variations, humidity fluctuations, and corrosive pollution. These dangers can lead to significant disruptions in production, resulting in staggering losses of over $100,000 per hour in revenue and repair costs.

Purafil, a global leader in gas-phase air filtration systems, odor control, and corrosion control, is committed to making the world safer, healthier, and more productive. Their suite of solutions includes everything from initial diagnosis, to eliminating corrosive air and continuous monitoring, ensuring zero downtime due to corrosion.

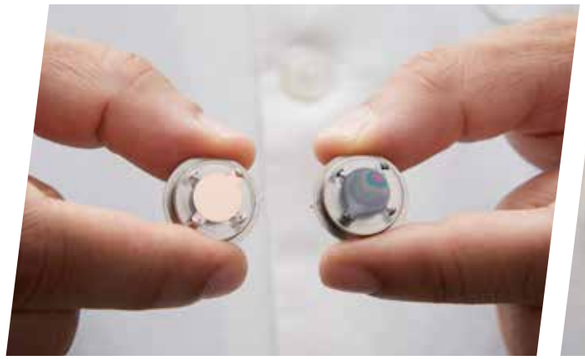
Purafil is renowned for pioneering and patenting the world's first engineered corrosion filtration pellet five decades ago, and remains the leading corrosion control technology today. They offer a range of solutions, such as gas phase air filtration, lab services, and monitoring across industries like healthcare, wastewater management, manufacturing, and industrial environments.

To diagnose corrosion issues, Purafil provides specially prepared Corrosion Classification Coupons (CCCs) for critical operating environments. By analyzing the rate of corrosion buildup on the coupon, they determine the severity level of contaminants (G1, G2, G3, or GX) in different facility areas. Placing these coupons in electrical control rooms globally helps customers accurately identify existing problems and prevent unnecessary expenses.

Purafil focuses on mitigating corrosion problems in line with the ISA-71.04-2013 standard. Their teams design solutions to ensure G1 corrosion free air quality for everyone, offering specialized equipment and chemical media to address harmful gases in critical spaces. They collaborate with in-house lab capabilities to devise effective strategies for reducing airborne contaminants.

Purafil's ISO 17025:2017-certified lab in Doraville, Georgia, supports their world-class diagnosis. Their data-driven services and robust analytical infrastructure have proven effective in analyzing air quality in various environments.

With respect to monitoring, Purafil allows customers to send samples of their



Our state-of-the-art technologies and expertise empower clients across diverse industries to maintain the highest air quality standards and ensure uninterrupted operations. We also continuously strive to provide the necessary support for the safe and efficient functioning of vital sectors

filter media to its leading-edge lab. Its experts then determine the media's remaining lifespan, enabling proactive and cost-effective filter replacements. This service is offered free of charge to all customers. Additionally, they offers digital monitoring through an industry-leading corrosion control monitoring system, OnGuard, which seamlessly integrates with a customer's monitoring software or internal hardware to deliver real-time corrosion level and air quality data.

Purafil's expertise and cutting-edge solutions have led to numerous success stories. In one instance, the company helped IBM identify cause and mitigate unexplained server failures. The Salto area in Guadalajara, where IBM's server testing lab was located, harbored elevated levels of air pollution and corrosive contaminants. Using Corrosion Classification Coupons (CCC), the company confirmed the presence of a GX air quality level—the most severe classification for electronic equipment survivability as per ISA71.04-2013.

By installing PuraGrid filters, IBM achieved G1 air quality, eliminating corrosion risks in their server testing lab. After this success, IBM to choose Purafil again while constructing their new data center to ensure the data center's integrity and prevent considerable financial losses driven by corrosion-driven repair and downtime.

Purafil's proactive approach in safeguarding critical assets highlights the importance of protecting sensitive electronic infrastructure. Thanks to their comprehensive diagnosis and solutions, businesses can maintain uninterrupted operations and business continuity, free from equipment failure due to corrosion.