

# Field Service

## On-Site Expertise for Comprehensive Support

PureAir Filtration goes beyond simply providing air filtration systems by offering specialized field services designed to ensure optimal performance. Working within operating constraints, solutions are developed in collaboration with either the PureAir team or customer's team to achieve G<sub>1</sub> air quality (ANSI/ISA-71.04-2013).\*

PureAir offers a full range of field services to combat airborne corrosivity including Room Sealing, Media Changeouts, Corrosivity Test Kit Service, Electronic Monitoring, Proactive Dynamic Quality Service, and Scrubber Preventative Maintenance. These industry-leading services set PureAir's apart from its competitors, demonstrating its commitment to maintaining optimal air quality and long-term equipment performance.

## Room Sealing & Integrity Testing

Properly sealed rooms prevent harmful gases from entering. This service is essential for rooms housing critical electronics such as control rooms. PureAir's service team will:

- Define measurements and entry points
- Identify all penetrations and bypasses
- Conduct the full sealing process
- Perform a Room Integrity Test



**Before**



**After**

The Room Integrity Test (RIT) identifies any spots needing further attention and ensures a room is properly sealed. The post Room Sealing RIT certifies the performance of the space at various air flows, which is useful in sizing air purification and air handling equipment. Proper sealing often allows for significantly smaller equipment—up to 20% less than pre-sealing requirements.

*Room Integrity Testing can be performed as a standalone service or as the final step in the room sealing process*

## Media Changeout

Ensuring a filtration system operates efficiently starts with proper media replacement. This service includes:

- Safe removal and disposal of spent media
- Installation of replacement media

Service duration is subject to system quantity and media capacity



## Corrosivity Test Kit (CTK) Service

Corrosivity Test Kits (CTKs) are placed in designated areas to assess air quality. The CTK consists of a strip of silver and copper hung in the room for 30 days to measure corrosion.



After this period, the CTKs are retrieved and analyzed in PureAir's in-house laboratory. A report is then provided, detailing the room's air quality.

## Electronics Installation

### LIFEGARD™ Media Bed Monitor

- Seamless integration into filtration system
- 1 day installation (up to 2 if retrofitting ports onto competitor unit)



### Environment Corrosivity Monitor (ECMv2)

- Installation in customer-designated rooms
- Completed in less than a day (based on quantity)



## Proactive Dynamic Quality Service (PDQS)

A PDQS is a specialized service designed to assess, document, and improve air quality in protected rooms. Thorough inspections detect and resolve air leakage issues, measure critical air quality factors, and provide solutions for optimal environmental control. This service includes:

- Comprehensive Air Quality Assessment
  - Temperature and Humidity
  - Particulates and H<sub>2</sub>S Levels
  - ISA G Rating Classification
- Bypass Detection and Sealing
  - Identifies and records air bypasses that may compromise room air quality
  - Minor bypasses are sealed during the PDQS and major sealing efforts will be separately quoted
- Detailed Reporting and Action Plan with recommendations for further remediation

## Scrubber Preventative Maintenance (PM)

Following a PDQS, the Preventative Maintenance ensures the reliability and efficiency of air scrubbers. This service includes:

- Inspection of scrubber operation
- Belt condition checks and replacement
- Lubrication of motor bearings
- Key room metrics recording
- Media sampling and filter replacement
- Identification of necessary repairs for mill staff or PureAir's Field Service Team to perform

Facilities such as paper mills, oil refineries, and those with control rooms rely on clean air to prevent corrosion and equipment failure. PureAir's field service team is trained to handle every job safely and professionally, holding certifications and training that include, but are not limited to:

- OSHA 30
- NFPA 70E
- Pre-Site Training

\* ANSI/ISA-71.04-2013. Environmental Conditions for Process Measurement and Control Systems: Airborne Contaminants