

AIR FACTS

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News on Gas Phase Filtration

PAHWA GROUP
Innovation is life

DRI™

TDS™

delair®

Volume VI

Reaching Out Through Technical Seminars

Bry-Air AIRGINEERS™ are passionate for providing Optimum Solutions for Prevention of Corrosion due to Air-borne Molecular Contaminants

The Seminars were attended by technical professionals working in Server Room, VFD Room, Switchgear Room in Steel Plants, IT Managers, Operation Managers and other personnel responsible for critical areas prone to Electronic/ Electric Corrosion.

The attendees discussed various challenges faced by them while ensuring continuous productivity in protecting their equipment from Corrosion.

The AIRGINEERS™ shared the latest trends and technologies in Gas Phase Filtration

and their effective usage in preventing Corrosion from entering the critical systems, leading to system failures.

The attendees appreciated the efforts of the Bry-Air team to spread the awareness and knowledge on techniques of preventing micro-corrosion of electronics in Data Centres / IT Server / Control Rooms/MCS Rooms thus improving the quality of air in their organizations, housing critical and complex machines and control units, ensuring uninterrupted service and smooth running of organizations

2016-17
8 Seminars
120 Companies
500+ Participants

panipat • Mumbai • Bangalore • Noida • Ranchi • Chennai • Mangalore • Hyderabad



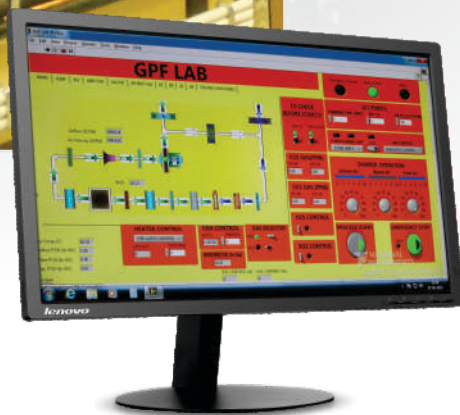
Contact us at
bryairmarketing@pahwa.com
for an inhouse seminar
at your facility



Bry-Air®

The 'ONE STOP SOLUTION' for optimal protection

• Chemical Media • Chemical Filter • Atmospheric Corrosivity Monitor



Chemical Media
Residual life Testing is
NOW
Fast, Accurate and
Cost Effective

- Follows: ASHRAE 145.1 standards
- Only Company with in-house R&D labs approved by Ministry of Science and Technology

Rising air pollution levels are making the air borne molecular contaminants, seep even inside the closed atmosphere, both in Residential and Commercial spaces. Organizations have started realizing various dangers, these gaseous contaminants poses to the manufacturing processes in the form to corrosion of electronic/ electric circuits. Most of the organizations have started taking preventive measures for corrosion, but a proper planning for the media/ filter replacement is very necessary and critical to avoid the chances of gaseous contaminants seeping during the in-between time, the duration in which the exhausted chemical media is replaced with new one.

Hence, the process of replacement of chemical media/filter should be fast and accurate.

Bry-Air's State-of-the-Art Research and Development lab for media testing and coupons is equipped with world class technology and systems. It is capable of testing the performance of impregnated Honeycomb impregnated granular media. The tests can be conducted as per ISO/ ASHRAE standard 145.1 and BSR/ ASHRAE standard 145.2/ISO standard 11155-2 guidelines. In addition, Bry-Air is the only company in India having in-house testing facilities for coupon testing, for corrosion audits and residual life testing for granular media.

Our AIRGINEERS™ are just an email away to eradicate all Air Borne Gas

Protection of Electric/Electronic circuits from CORROSION

• Corrosion Coupons • Chemical Media Life Testing Lab

Choose from the Widest Range of Chemical Media

Air borne Contaminants develop in the atmosphere due to the emission of harmful gases, surrounding conditions in a Company/Industry, which may or may not be same as the pollutants /contaminants in other Industry. Hence it becomes very important to choose the right type of media or process for corrosion monitoring to ensure accurate and optimum output.

Bry-Air has a wide range of proprietary chemical media, BrySorb™, both granular and fluted media type. BrySorb™ offers range of combination of activated Alumina/Carbon impregnated with various chemicals such as Potassium Permanganate (KMnO_4) or Phosphoric Acid (H_3PO_4).



BrySorb™ 508

An UL certified, activated alumina impregnated with KMnO_4 for effective removal of Sulphur Oxides, Hydrogen Sulphides Ethylene and various VOC's.



BrySorb™ 508 Blend

A perfect blend of BrySorb™ 508 and BrySorb™ 520 for optimum removal of harmful and odorous gases such as Ozone(O_3), Hydrogen Flouride (HF) and various other VOC's.



BrySorb™ 515

An UL certified, activated alumina and activated carbon impregnated with Potassium Hydroxide (KOH) for effective Chlorine and Sulphides removal.



BrySorb™ 520

A High performance chemical media for effective removal of odorous gases such as Nitrogen Oxide, Ozone, Formaldehyde and other various VOC's.



BrySorb™ 525

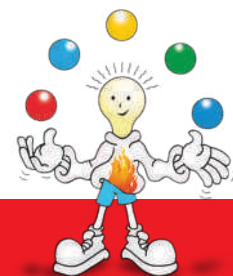
A special grade activated carbon impregnated with Phosphoric Acid (H_3PO_4) for effective removal of Ammonia (NH_3).



Honeycomb Chemical Filter

Bry-Air Chemical Honeycomb filter comprises of macroporous desiccant formed honeycomb matrix, impregnated with choice of oxidizing agents, alkaline solutions and is also made bactericidal by treating the same agents.

The substrate is of inorganic fiber media. It has high efficiency and reliability. This is designed for higher airflow therefore requires lower face area and has lower pressure drop. This also eliminates the requirement of after filter. Fluted Media Chemical Filter has high “%” impregnation of Potassium Permanganate (typical 15% of KMnO_4).



gaseous Contaminants leading to Corrosion of Electric/Electronic Circuits

Atmospheric Corrosivity Monitoring Services

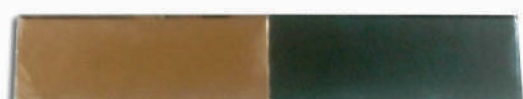
Atmospheric Corrosivity Monitor (ACM)

The Bry-Air ACM measures the overall reactivity levels of gaseous airborne contaminants, room temperature, RH and optionally the differential pressure. The real time data can be viewed on the LCD, logged into the internal memory and SD card. It can also be transmitted to Building Management Systems through digital RS485 port or analog 4-20mA output.

Reactivity monitoring provides an accurate and reliable means to evaluate the corrosivity potential of indoor air and also the effectiveness of installed filter systems



Corrosion Coupons



Bry-Air Installation Date _____

Company _____

Room Location _____

Contact Name _____

Email _____
(for returned report)

Removal Date _____

Bry-Air offers onsite Corrosion monitoring services using Corrosion coupons.

The Corrosion Classification Coupon (CCC) provides a direct, quantitative measure of the overall corrosion potential of an environment. Also, referred to as 'reactivity monitoring', this method involves the placement of the CCC, which has specially prepared copper and silver strips, in strategic locations in the operating environment.

After a period of 30 days, the coupons are analyzed in a laboratory, the thickness of the corrosion film on the strips is measured to determine the room environment's classification. In addition, some identification of the type of film can be determined e.g. sulphides, chlorides, oxides, etc.

Three Easy Ways to Reach Us



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Locate and call your nearest office



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