

DataCenter AIR PURIFIER

Equipped with Honeycomb Chemical Filter



HAS
**THE GAME
CHANGER
ARRIVED**

www.bryairfiltration.com

Setting New **BENCHMARKS** in Gas Phase Filtration

If left unprotected, your electronic equipment may be damaged

Protecting the electronic equipment data processing centers from any potential environmental threat is a vital step for a data center manager. Even extremely low levels of corrosive gases in data centers can create costly complications, downtime, a non-compliance of electronic warranty specifications, failure of electronic components and sporadic circuit failure, leading to incorrect and lost data in data centers.

After the introduction of "lead free" law, such as EU directive "on the restriction of the use of certain hazardous substances" ROHS, manufacturers have replaced lead with other substances which are more susceptible to electronic corrosion. As a result, replacing damaged electronic components due to micro corrosion can substantially increase a data center's maintenance costs. Due to increasing number of failures where lead free materials are used electronic manufactures have started asking for:

- ▶ ISA G1 class environment for warranty compliance as described by the International Society of Automation (ISA) Standard 71.04-1985 and
- ▶ As per recommendation by American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) Technical Committee TC 9.9.2011.

Bry-Air DataCenter Air Purifier

Bry-Air, a leader in Gas Phase Filtration, known for setting new benchmarks, has now introduced a custom designed solution for data centers known as Bry-Air DataCenter Air Purifier (DAP). With the introduction of Bry-Air DataCenter Air Purifier (DAP), you can now protect your data center effectively from threat of electronic corrosion and abrupt failures.

Bry-Air DAP is manufactured to the highest consistency, reliability and ecological standards. Bry-Air DAP houses a revolutionary Honeycomb Chemical Filter as its core heart. This next generation revolutionary new medium is a building block of our new custom designed solution for data centers. Bry-Air macro-porous desiccant formed honeycomb matrix filter has a high bulk density and very high structural strength as well as adsorption capacity. This honeycomb matrix technology not only reduces the size of DAP but also increases its efficiency and life while reducing energy bills. All this provides a much higher capacity chemical filter with a much longer mean time between replacements (MTBR).

DataCenter AIR PURIFIER



Some of the Salient Features of Honeycomb based Bry-Air DataCenter Air Purifier (DAP)

- ▶ Only honeycomb filter with permanganate
- ▶ Ease in replacement of media filter
- ▶ Optimum space utilization
- ▶ Ease of operations/maintenance
- ▶ Very high impregnation of oxidizing agent, resulting in 100% desired output
- ▶ Filters cassettes are made of stainless steel (SS)
- ▶ Filters are tested in accordance to the standards of ASHRAE 145.2 and ISO 11155-2
- ▶ Energy saving because of very low pressure drop over traditional media
- ▶ Bry-Air air purification honeycomb bed recirculation/pressurization units (GPF) are the self-contained units
- ▶ Bry-Air purification system removes both organic and inorganic contaminants from the air and supplies air free of contaminant gases to the controlled environments
- ▶ Robust structural CNC fabricated construction & painted unit

Easy to operate

- ▶ Suitable for continuous operation
- ▶ Manual switch for operating the system.
- ▶ Easy to handle due to low weight.

Easy to install

- ▶ Versatile, easy to package and handle.
- ▶ Small footprint, low volume / weight per CMH

Easy to maintain

- ▶ Quick and easy to service
- ▶ Easy honeycomb media replacement
- ▶ Easy, tool free access to all major components
- ▶ Quick serviceability and maintenance free operation

Bry-Air R&D

Comprehensive know-how about the Gas Phase Filtration systems, use and development of innovative solutions for industry are what makes Bry-Air stand out as a research oriented enterprise. Continuous investment in research and development combined with extensive application know-how of our technical experts are the sources of our innovative skills. Bry-Air, recently, set up a state-of-the-art Gas Phase Filtration laboratory at its Gurgaon Plant. The lab is one of its kind in the world. The lab is equipped with world class technology and systems. It is capable of testing the performance of impregnated/non-impregnated loose 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.



4 EASY WAYS TO REACH US



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A **PAHWA** ENTERPRISE