

Bry-Air®

Gas Phase Filtration

Removes gaseous contaminants



DATA CENTER AIR PURIFIER



Keep Your Data Centre Away From

Corrosive Gases

Data Centres, server rooms, control rooms are under serious threat due to the airborne molecular contamination. The presence of airborne molecular contamination in the form of corrosive gasses corrodes the electronic circuits and adversely affects the operations and longevity of sensitive and expensive electronic equipment.

Data Center Air Purifier (DAP)

DAP designed to shield electronic equipment from corrosive gasses. It effectively removes particulate and gaseous contaminants from confined spaces. It is meant for server rooms or control rooms where indoor environment is affected due to various pollutants sites in proximity.

It is self-contained, stand-alone, movable unit that re-circulates the air in an enclosed space.



Functions

- Effectively removes particulate matter
- Removes gaseous contamination
- Removes odour
- Supplies clear air

Features

- Energy efficient. Saves energy due to low pressure drop
- Self-contained unit
- Helps meet ISA71.04-2013 standard in data centres
- Standard variants available
- Customisation available
- FRP constructed body (corrosion resistant)



DRISORB™ - Honeycomb Chemical Filter

- Suitable impregnation to neutralise various gasses
- UL certified
- Easy to handle
- Stainless steel filter cassettes
- Tested as per ASHRAE 145.2 and ISO 1155-2 standards



Honeycomb Chemical Filter - DRISORB™ series

Removes gaseous contamination

Corrosive gasses emerging from nearby industrial areas, landfill sites and open drain

- PM10 • PM5 • NOX• SOx
- Cl2 • NH3 • O3• HF
- VOCs • H2S

Damage caused by harmful gases in Server/Control Rooms

- Increased contact resistance
- Leakage current and short circuits
- Deterioration of circuit lines and connectors
- Mechanical deterioration of printed circuit boards
- Leakage of EMC - shielding
- Creep Corrosion

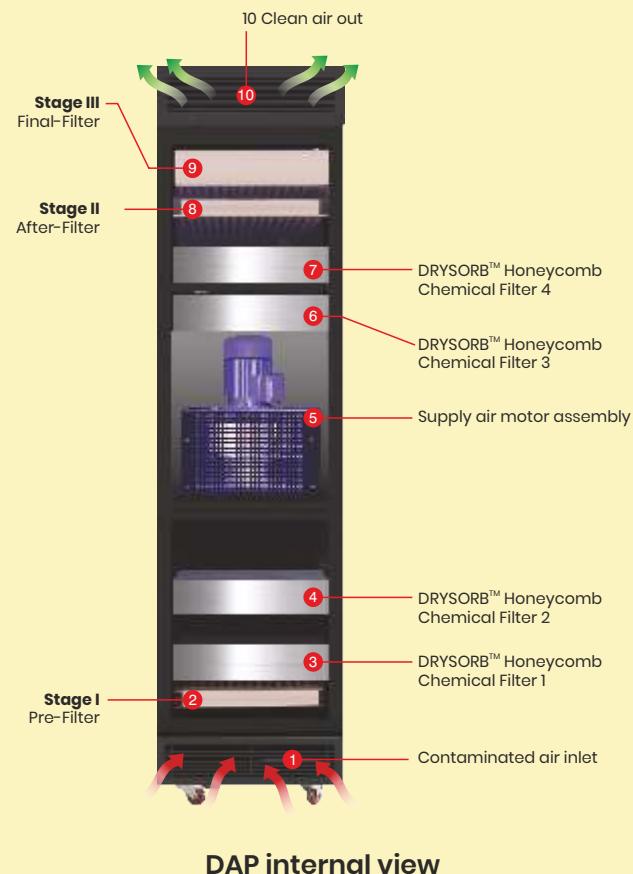
Technical Specification

Model Stages	Airflow CFM	Airflow CMH	Dimensions HxWxD(mm)	Electric Load(Kw)	Empty Weight(Kgs.)
DAP-500-2	500	850	2050x550x590	0.75	165
DAP-500-4	500	850	2050x550x590	1.12	180
DAP-1000-2	1000	1700	2050x550x690	1.12	205
DAP-1000-4	1000	1700	2050x550x690	1.5	225
DAP-1500-2	1500	2550	2050x950x600	2.24	260
DAP-1500-4	1500	2550	2050x950x600	3.73	290
DAP-2000-2	2000	3400	2050x950x700	3.73	320
DAP-2000-4	2000	3400	2050x950x700	3.73	360

*EC fan, VFD, BMS controller (Optional)

How does it work?

As explained in diagram, at the stage I, the contaminated laden air enters through bottom grill and air is pre-filtered from larger particulates. At stage II, it is made to pass through the multiple beds of DRISORB™ chemical filters. The corrosive gasses are captured and neutralised in the filter by an adsorption and chemisorption process. At stage III, air is filtered again to remove sub-micron particulates. Eventually, the clean air is released from the top.



Gas Phase Filtration Range



Other Product Divisions

Dehumidifier
for Moisture Free Air & Humidity Control

Plastic Auxiliaries
for Drying, Conveying, Blending, Heating & Cooling and Mould Dehumidification

Dry Rooms
Critical for Lithium Battery Production

Adsorption Chiller
use low grade waste heat for Energysmart Green Cooling

High Temperature Heat Recovery Wheel

Unlimited Applications



IT, Server Rooms and Data Centres



Oil and Gas Industry



Fertilizer and Chemical Plants



Pulp and Paper Industry



IVF & Healthcare Facilities



Museums, Libraries and Archives



Wastewater & Sewage Treatment Plants



Animal Research Labs



Food Processing and Fruit & Vegetable Storage



Plastic Manufacturing Industry



Rubber Processing Industry



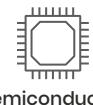
Cement Industry



Iron and Steel Manufacturing Plants



Media Broadcasting Rooms



Semiconductor Assembly

...and many more



Leaders in Dehumidification... Worldwide

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