

**Bry-Air®**

# Gas Phase Filtration

**Removes gaseous  
contaminants**

CLEAN AIR

**Bry-Air**  
**DataCenter Air Purifier**

CONTAMINATED AIR

## 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 gases 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.

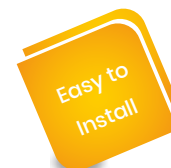
It is self-contained, stand-alone, movable unit that re-circulates the air in an enclosed space.

## 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

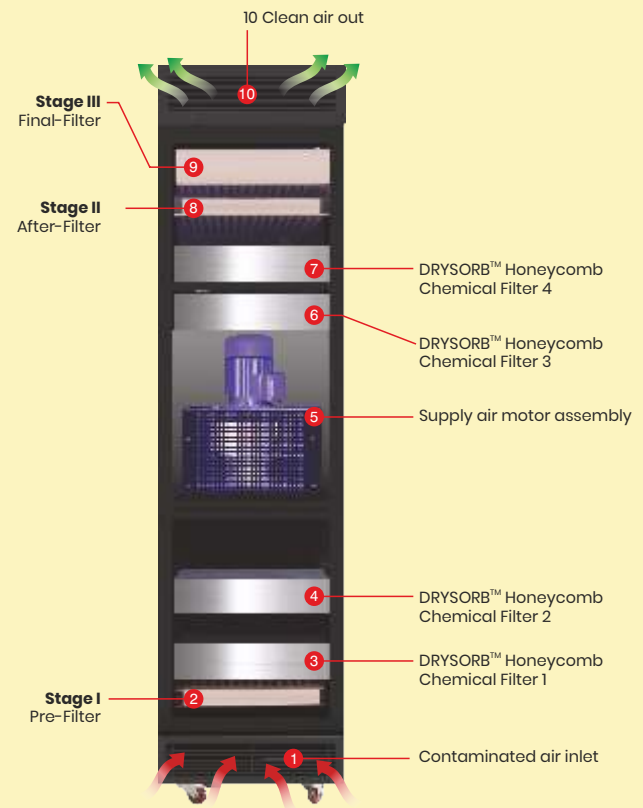
## Technical Specification

Model/Stages	Airflow		Dimensions HxWxD (mm)	Electric Load (Kw)	Empty Weight (Kgs.)
	CFM	CMH			
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.



DAP internal view

## 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

### BRY-AIR (ASIA) PVT. LTD.

**Corporate Office:**  
21C, Sector-18, Gurugram 122015  
Phone: +91-124-4091111  
E-mail: [bryairmarketing@pahwa.com](mailto:bryairmarketing@pahwa.com)

**Registered Office:**  
20, Rajpur Road, Delhi 110054  
Phone: +91-11-23906666  
E-mail: [enquire@pahwa.com](mailto:enquire@pahwa.com)  
Web: [www.bryair.com](http://www.bryair.com)  
CIN: U74210DL1981PTC012456

City	Phone	E-mail
DELHI	+91-11-23906666	<a href="mailto:enquire@pahwa.com">enquire@pahwa.com</a>
CHANDIGARH	+91-172-4678806/7	<a href="mailto:bryairchandigarh@pahwa.com">bryairchandigarh@pahwa.com</a>
MUMBAI	+91-22-24935155/24947475	<a href="mailto:bryairmumbai@pahwa.com">bryairmumbai@pahwa.com</a>
VADODARA	+91-265-2351493	<a href="mailto:bryairbaroda@pahwa.com">bryairbaroda@pahwa.com</a>
KOLKATA	+91-33-22814841/22814877	<a href="mailto:bryairkolkata@pahwa.com">bryairkolkata@pahwa.com</a>
BENGALURU	+91-80-43025562/3/4/5	<a href="mailto:bryairbangalore@pahwa.com">bryairbangalore@pahwa.com</a>
HYDERABAD	+91-40-27154243	<a href="mailto:bryairhyderabad@pahwa.com">bryairhyderabad@pahwa.com</a>
CHENNAI	+91-44-48606141/2/3	<a href="mailto:bryairchennai@pahwa.com">bryairchennai@pahwa.com</a>
KOCHI	+91-484-2395940	<a href="mailto:bryairkochi@pahwa.com">bryairkochi@pahwa.com</a>

**BRY-AIR (AMERICA)**  
Phone: +1-614-362-3399  
E-mail: [sales@diamerica.com](mailto:sales@diamerica.com)  
Website: [www.bryairamerica.com](http://www.bryairamerica.com)

**BRY-AIR (CHINA)**  
Phone: +86-21-34126537  
E-mail: [info@bryair.com.cn](mailto:info@bryair.com.cn)  
Website: [www.bryair.com.cn](http://www.bryair.com.cn)

**BRY-AIR (MALAYSIA)**  
Phone: +60-3-89256622  
E-mail: [bryair@bryair.com.my](mailto:bryair@bryair.com.my)  
Website: [www.bryair.com.my](http://www.bryair.com.my)

**BRY-AIR (BRAZIL)**  
Phone: +55-41-36982222  
E-mail: [contato@bryair.com.br](mailto:contato@bryair.com.br)  
Website: [www.bryair.com.br](http://www.bryair.com.br)

Country	Phone	E-mail	Website
BRY-AIR (UAE)	+971-6-5574622	<a href="mailto:support@bryair.ae">support@bryair.ae</a>	<a href="http://www.bryair.com">www.bryair.com</a>
BRY-AIR (PHILIPPINES)	+63-2-88078435/6/7	<a href="mailto:mail@bryair.com.ph">mail@bryair.com.ph</a>	<a href="http://www.bryair.com">www.bryair.com</a>
BRY-AIR (INDONESIA)	+62-21-79199023	<a href="mailto:indomark@bryair.com.my">indomark@bryair.com.my</a>	<a href="http://www.bryair.com">www.bryair.com</a>
BRY-AIR (THAILAND)	+66-2-117-9558	<a href="mailto:wimonvanvaree@pahwa.com">wimonvanvaree@pahwa.com</a>	<a href="http://www.bryair.com">www.bryair.com</a>
BRY-AIR (VIETNAM)	+84-28-39956498	<a href="mailto:vietmarketing@bryair.com.my">vietmarketing@bryair.com.my</a>	<a href="http://www.bryair.com">www.bryair.com</a>
BRY-AIR (NIGERIA)	+234-9117341410	<a href="mailto:bryairnigeria@pahwa.com">bryairnigeria@pahwa.com</a>	<a href="http://www.bryair.com">www.bryair.com</a>
BRY-AIR (SWITZERLAND)	+41-91-6830971	<a href="mailto:info@pro-kon.ch">info@pro-kon.ch</a>	<a href="http://www.bryairprokon.com">www.bryairprokon.com</a>
BRY-AIR (BANGLADESH)	+880-1819409100	<a href="mailto:bryairbangladesh@pahwa.com">bryairbangladesh@pahwa.com</a>	<a href="http://www.bryair.com">www.bryair.com</a>

Enter Bry-Air... exit moisture