

**Elephant (IADD) system is a high tech ,
Wall-Mounted “De-odor ”.**



Elephant(IADD) is designed to help decomposing odor laden air in the ventilation system especially the air ducting system of all types. Simple and easy to fit in any new or existing system corresponding to air flow rate. Very low maintenance cost per annum.

Specifications of Elephant-04:

Dimension	W x H x D= 500 x 400 x 200mm
Weight	16Kg.
Power consumption	80W
Supply voltage	220v/1ph/50Hz.
Designed Flow rate	2000cfm
Periodic Service and Maintenance:	Six Month one year
*Other Models available: Elephant-06 (3000cfm) Elephant-08(4000cfm) Elephant-10(5000cfm)	



For every Elephant system , there are several elements inside.

1. Intake Air filter
2. Dosage control ventilation blower
3. Plasmair generation Chamber.
4. Plasmair Electrodes.
5. Plasmair high frequency generators set.
6. Plasmair Dosage control unit.
7. Stainless Steel Equipment cabinet.
8. Aluminum Flexible duct to deliver plasmair into the HVAC System.
9. Stainless Steel Plasmair injection nozzle.

ELEPHANT Series Ionized Air-Duct De-odor (IADD) System:

Elephant (IADD) system has been developed by GZGREEN using "Plasmair Technology" to treat and decompose odor causing gases inside the ventilation ducting system.

We have different models for different capacity flow-rate. Elephant (IADD) system is easy to install and maintain. All models are wall-mounted design to save place. When apply correctly , Elephant can reduce the odors as much as 90%.

Major benefits of Elephant (IADD) System:

- High removal efficiency up to 90%.
- Instant control of different odors.
- Fully adjustable with dosage control knob.
- Low power consumption , energy saving.
- No chemicals or consumable parts.
- Easy and economical to maintain.
- Easy to install ,hang on wall ,and plug in electrical Supply.
- Install easily into new / existing ventilation system.
- Inhibit micro-organism growth in ventilation duct.
- User friendly.

How it Works?

We do not use absorption method but molecules decomposition method. Elephant makes use of ambient air as its raw material. At the first beginning , ambient air must be cleaned when passing through filter. Then it will be pumped into the Plasmair generation chamber where high frequency and high voltage electrodes inside will energize oxygen molecules in the air into oxygen ions.

These oxygen ions are very reactive. They will search and stick into odor causing molecules by means of their charge carrying. Once they attack those molecules , they will work on them by means of oxidation. This means the battle field is not inside the equipment but inside the ventilation air ducts.

Theoretically , carbon dioxide and water will be the final product for nearly all organic odor causing molecules. But usually , many long-chain bulky organic molecules will be broken down into shorter or smaller molecules which will be less harmful and non-odor in nature.

Apart from de-odor function , those plasmair generated from Elephant can inhibit micro-organisms growth. This means when plasmair present inside the ventilation duct , fungi will not grow during the off hours.

(Supplementary note:) After office hours , usually , ventilation system will be switched off , moisture will condense on the inner dusty wall of ventilation ducts. Such micro-environment is ideal for many fungi growth . Spores will appear after several hours "Incubation". It will be the right time to blow off these spore out into the room area in the following day. This is the fact that people get sick when he is working in his office everyday. Once he leaves , all symptom disappear.

Installation Guide:

