

ODOUR REMOVAL SYSTEM

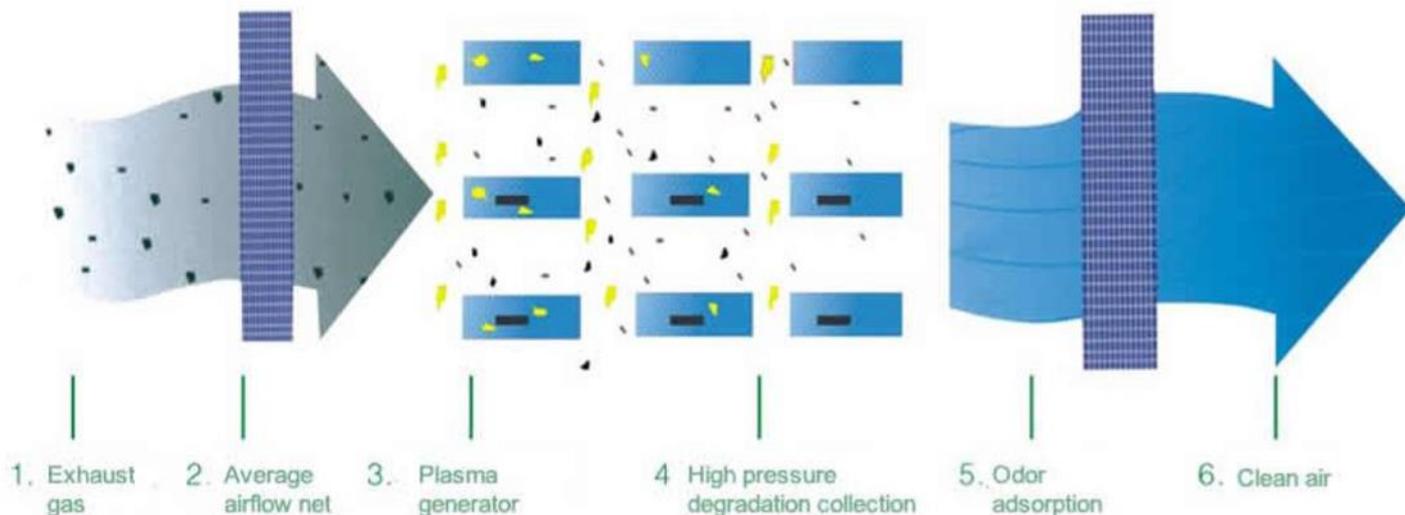


"An Indo - Japanese Collaboration"



PLASMA ASSISTED ODOUR REMOVAL SYSTEM

Plasmas have been demonstrated to be able to decompose volatile organic compounds (VOCs) and thus odour molecules very efficiently. This equipment can remove volatile organic compounds (VOC), inorganic matter and the main pollutants such as: hydrogen sulphide, ammonia, mercaptan and various stench, etc. Deodorization efficiency can reach more than 98%. For long-term accumulated stench and peculiar smell, it can remove within 24 hours with strong ability to kill bacteria, viruses and other microorganisms in air and mould proof function. Deodorization effect issued more than state of odorous pollutants discharge level standard.



Purification device by first filter unit, low temperature plasma generator, fans and other equipment and components

PERFORMANCE PARAMETERS:

1. Air volume: 2000m³/h-100000m³/h
2. Efficiency: >=95%
3. Equipment resistance: 300pa
4. Power Voltage: 220V-50HZ
5. Equipment noise: 45Dp

FUNCTIONS:

1. Dust, sterilization, eliminate the odor, degradation of organic waste gas, the release of negative ions.
2. Low energy consumption, small wind resistance, low noise.
3. Drawer design, reasonable structure, easy installation, easy maintenance.
4. Intelligent control, safety protection, control system has a timing cycle, synchronization chain, failure display, cleanliness display, ozone concentration displays.
5. Long-term use of materials, pure natural environmental hygroscopic breathable, antistatic properties.

APPLICATIONS:

- **For Sulphur Compounds:** hydrogen sulphide, thiols, dimethyl sulphide, thioethers and sulphur-containing heterocyclic compounds, etc.
- **For Nitrogen Compounds:** ammonia, amines, nitriles, nitro compounds and nitrogen-containing heterocyclic compounds, etc.
- **For Benzene compounds:** styrene, benzene, toluene, xylene, etc.
- **For Halogen compounds:** Freon, chloroform, carbon tetrachloride, methylene chloride, etc.
- **For Lipid compounds:** methyl acetate, ethyl acetate, butyl acetate, methyl acrylate, ethyl acrylate, butyl acrylate, etc.
- MSG, pharmaceutical and chemical industry, sludge drying, feed and fertilizer processing plants, livestock products farms, tanneries, all kinds of sewage treatment plants, leather processing and many other industries with organic waste gas, odour, odour and other pollution problems.