

Health & Hope Oasis Air Pollution the Silent Killer

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Abstract

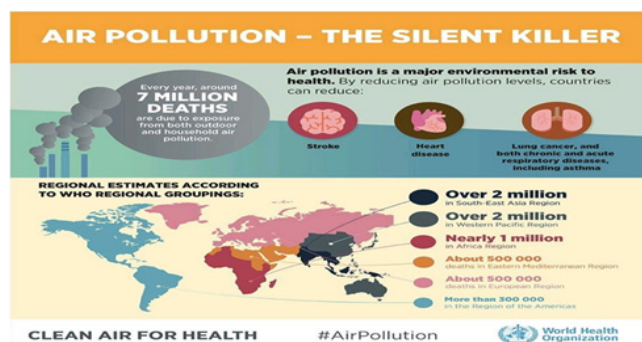
Outdoor air pollution is a leading cause of early death, chronic disease, and disability. Motor vehicles are a major contributor to outdoor air pollution, exposing vulnerable population to especially high levels of harmful emissions in urban areas and near major roadways. Fine particles or particulate matter with a diameter of 2.5 micrometers or less (PM 2.5), are among the most harmful vehicle pollutants and are associated with a range of health impacts including cardiovascular and respiratory diseases, lung cancer, and infant mortality.

Using gasoline and diesel as transport fuel causes emissions of both greenhouse gases, driving climate change, and of other air pollutants that are dangerous to human health and the natural environment. To prevent destructive climate change and reduce health impacts, the sector needs to move towards fuel that a lower carbon footprint and reduced emissions of sulfur and other conventional pollutants. Low Carbon Technology called Hydrogen on demand or water as fuel (HHO) Technology successfully reduces emission up to 50% and increase fuel efficiency up to 40%. It work equally well with Gasoline and Diesel fuel and recurring cost is almost zero.

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Smog

The research shows that particulate matter, nitrogen dioxide, and ground-level ozone are the air pollutants (smog) responsible for most of the early deaths. But that the levels of these damaging pollutants may be being underestimated due to inadequate measuring techniques.

Urban areas experience the worst of the pollution; urban dwellers are at risk of respiratory disease, cancers, liver and blood disease and cardiovascular disease when exposed to high levels of pollution for an extended period of time.



Why Smog Standards are Important For Our Health

Nearly 40 percent of Pakistanis live in areas with unhealthy levels of smog pollution.

EPA is failing to protect Pakistanis from deadly smog pollution. We're fighting back.

What is Smog

Across many major cities, a hazy brown soup of pollution hangs over the skyline, especially in the warmer months. This is smog, known more specifically as ground-level ozone. Smog is formed when industrial emissions from power plants, factories, cars, and other sources react with heat and sunlight in the atmosphere.

Why is it harmful

When inhaled, smog irritates our airways, increasing our risk of serious heart and lung diseases. These health risks are why many cities monitor smog levels. On a high ozone-alert day, for example, your eyes and throat may burn, and you may cough and wheeze. Reducing smog will protect all Pakistanis – especially our kids, older adults and people active outdoors.

HHO Power is proud to announce the fully automated industrial efficient fuel burning system (EFBS) achieving up to 10 to 40% saving on the following fuels:-1-coal, 2-HFO, 3-deisel, 4-biomass, 5-bagas, 6-natural gas / LNG/ LPG etc. 7-rice husk, 8-corn-cob, 9=wood. Say hello to fuel saving and good bye to pollution and smog.

HHO (WFC) Water Flame Generator (WFG) for oil (light diesel oil LDO, Heavy oil HO), Gas, Bio-gas, wood burning, coal (Boilers) plants, HHO is mixed the air and gas, LDO, HO, Bio-gas, wood fuel, coal, as it drown into the combustion chamber. The design is conserved an On- Demand system, meaning that HHO fuel is produced only as is needed, having no storage tank, when the system is shut down the burner The combined effects of HHO gas with other fuels, the show the combine atoms, of HHO with other fuel improve the efficiency while reducing the pollution to our environment and fuel performance improvement. Under the normal combustion temperature and pressure HHO gas will burn from 4% to 94% with temperature of 2000C.

The HHO gas will start combusting when it reach is about 570C under the normal atmospheric pressure. The minimum energy required to combust the HHO gas is about 0.02 mj, the quantity of heat produce is about 34000 calories when the mixture barn. Heating temperature to 70 – 110C for LDO, 120 – 150 for HO.

No harmful emission gases leaving your chimney (CO, CO₂, SO₂, Nox) free. No risk of CO poisoning! When compared with natural gas (900C), HHO gas, not only has a much higher flame temperature but also a much cleaner and complete combustion like CO, CO₂, SO₂, Nox will expelled but only water vapor. HHO gas system is 100% safe.

Background information

During the traditional fossil fuel combustion, usually exist insufficient fuel combustion, we often can see thick black smoke in the emission, and actually the black smoke exist

in huge energy use of space. So how do we make full use of the wasted fuel to achieve the best energy saving effect? Our HHO generator mix combustion system can achieve it for you.

The Main Advantage of HHO gas

High efficiency of energy HHO generator adopts water to produce mixed hydrogen and oxygen gas, hydrogen can be burned as fuel, and oxygen has good catalytic property. Now most of the boiler use coal, petroleum, LPG, bits of wood and so on, there are always exist insufficient combustion and waste emissions big shortcoming, by suck the mixed HHO gas into the boiler to improve the combustion efficiency, save energy and reduce emission. According the different of the fuel, it can save about 20%-30% energy. At the same time, when producing HHO gas by our company, 2.3kw/m³ of electric power is consumed, but other company is consumed 3.5-4.2kw/m³ of electric power.

Ultra High Temperature and Fast Speed of Combustion

Any objects can be reached at above 1,900 degree with 3 seconds.

Safety

HHO gas can be used at the lower pressure (0.1-2.0kgf/cm²) without storage, so it ensures the safety when using.

Cleanenergy

HHO gas composed of H₂ and O₂. When burned, HHO gas turns into water again. So it can help greatly reduce the emission.

Lowcost

HHO generator just consumes water and a little electricity, but it can help you save 20%-30% fuel. On the other hand, our HHO generator combustion system has an advantage that it can use the existing equipment as it is without modifying too much or making newly. Therefore, everybody can receive HHO gas 24 hours automatically from HHO generator combustion system and save a huge fuel cost.

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