

HEM Ozone Generator

Remove grease and odour from exhaust vent pipes



Ozone is a powerful oxidation agent used for disinfection, purification and many other applications. Ozone generators can be used for air treatment and odour removal in ventilation systems, air treatment in pump stations and sanitation after fires.

Oxygen from the surrounding air passes the corona discharge and is converted into ozone. The corona frequency on the electrode is 20-30 kHz, which allows the generator to be compactly designed. The wall mounted units can be equipped with an ozone sensor to shut down the system in case of a leak.

NOTE: Ozone is a very strong oxidiser and will cause corrosion and damage to materials not ozone resistant. Consult HEM for further information.

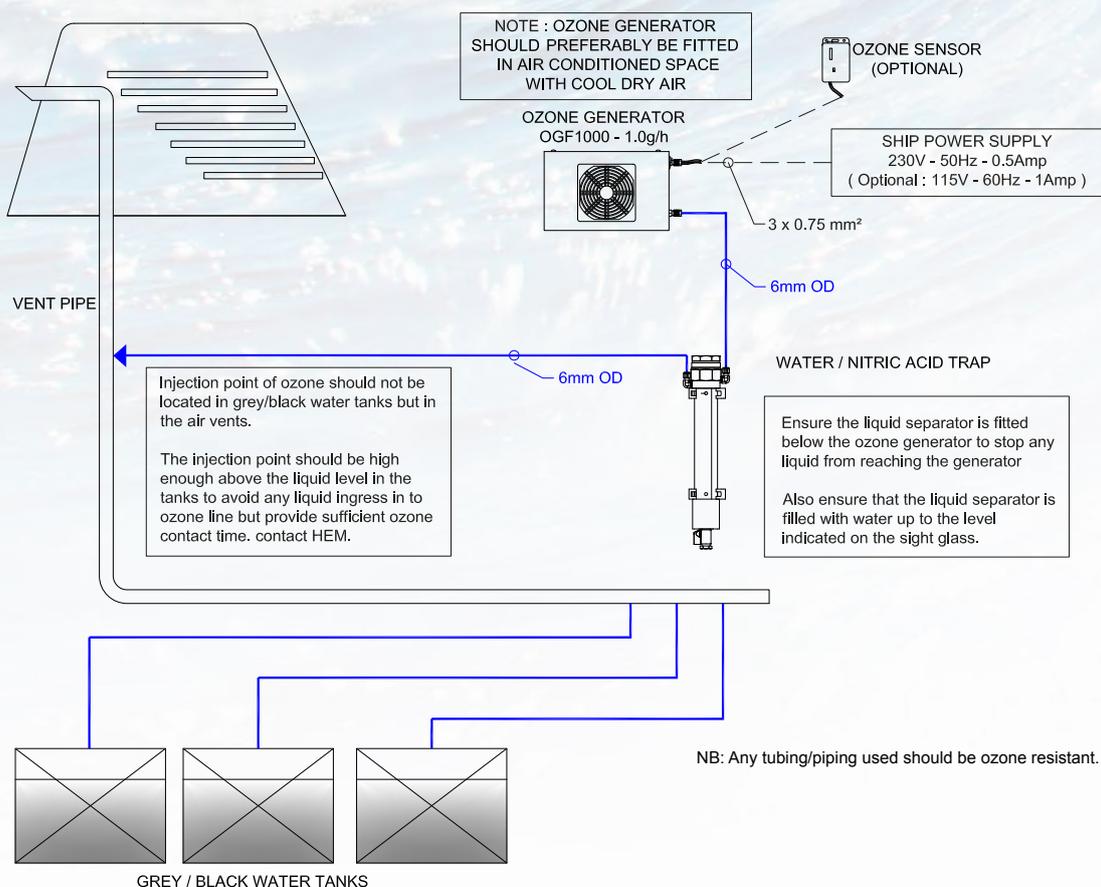
- Oxidises grease and reduces release of odours.
- Easy to install and retrofit.
- Plug & Play.
- Increase fire safety.
- Continuous operation.
- Improve duct and fan lifetime.
- Reach all areas of the duct.
- Reduce duct cleaning.

Kitchen applications

The build-up of grease in the ducting of kitchen ventilation systems imposes significant fire risks and requires frequent cleaning.

The resulting smell can also represent a disturbing problem for the guests on-board. The HEM ozone generator solution removes grease in the ventilation duct and reduces or eliminates odours. The system is based on injecting the right amount of ozone, a highly efficient cleaning agent, into the ventilation duct. The ozone spreads evenly in the whole duct network, even to areas hardly reached by traditional cleaning techniques. Unlike other ozone solutions, this is a high performance system that is easy to install, whilst requiring minimum maintenance. Also, there is no need for the frequent replacement of expensive consumables.

Vent pipe applications



Technical specifications

MODEL	TYPE	DIMENSIONS mm	POWER SUPPLY	MAX. OZONE PRODUCTION Mg/h
OGP1000	Portable	290x140x165	220/240V, 50 Hz 110/115V, 60 Hz	1000
OGF1000	Wall mounted	172x270x126	220/240V, 50 Hz 110/115V, 60 Hz	1000
OGF2000	Wall mounted	350x280x140	220/240V, 50 Hz 110/115V, 60 Hz	2000
OGF3000	Wall mounted	350x280x140	220/240V, 50 Hz 110/115V, 60 Hz	3000
OGF4000	Wall mounted	350x280x140	220/240V, 50 Hz 110/115V, 60 Hz	4000