



## Ozone Eliminator



### Decomposition of ozone to environmentally safe levels

The Vetaphone Ozone Eliminator is a compact ozone decomposition unit for use in connection with corona treatment and UV-curing, where ozone is produced as a by-product.

Ozone (O<sub>3</sub>) is a colourless, invisible, toxic and corrosive gas, and it is necessary to decompose the ozone to an environmentally safe level. Because of its toxicity it is a hazard to health, and because of its corrosive properties, it can cause damage to ferrous machine parts, leading to early breakdown and high repair costs.

The Ozone Eliminator is built as a three-step filter system in a corrosion-proof construction. The first two filters remove rough and fine particles of dust and grease in the incoming air, and the third filter is a OZCfilter that effectively decomposes the ozone through a catalytic process, so that only environmentally safe air is discharged to the atmosphere.

The Eliminator is dimensioned according to the international regulations of maximum 0.1 ppm/vol. ozone in the discharged air.

Pre filters and Catalytic filters are easily exchanged. The airflow through the filters is measured continuously, and an early-warning alarm is activated before the filters stops, leaving plenty of time for ordering replacement filters.

The Ozone Eliminator is made in various sizes to cope with high airflow capacities with maximum INPUT concentrations of 140 ppm and typical OUTPUT concentrations of 0.05 ppm. The standard range is build up around the 15 cbm/min module:

- OZC-5 10 Cbm/min, 1 mini module
- OZC-10 15 cbm/min, 1 module
- OZC-20 30 cbm/min, 2 modules
- OZC-30 45 cbm/min, 3 modules
- OZC-40 60 cbm/min, 4 modules (expandable)

Besides the standard range, Vetaphone also manufactures custom-designed high capacity eliminators.

The output air from the Ozone Eliminator should be regularly checked to verify ozone destruction is within compliance limits. As an option Vetaphone can supply ozone-measuring equipment.