"Enjoy breathing"

TOTAL AIR CARE™

GEVOC □ □ □

VOC □ □ □ □ □ □

GEVOC service

▸ VOC

GEVOC

▸ 3D

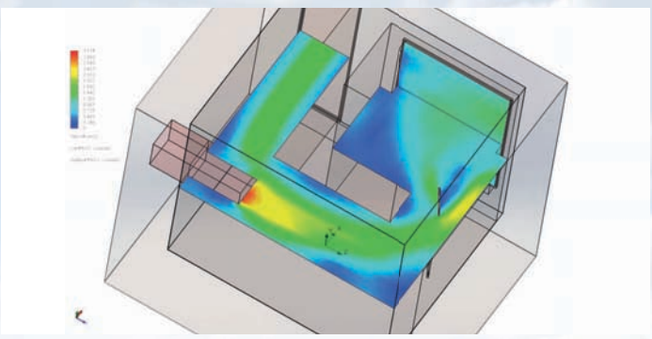
▸ CFD

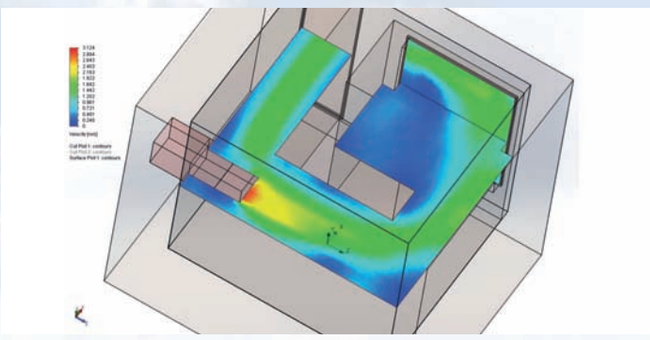
▸

(RTO)

(RCO)

▸ VOC





GEVOC TOTAL AIR CARE™

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Gevoc Ltd is subsidiary of Genano Ltd. Genano Ltd is a Finnish high tech company specialized in air purifiers.

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[illegible]

Gevoc [illegible]

[illegible]

[illegible]

Volatile Organic Compounds (VOC) constitute one of the primary elements of air pollution in a wide range of industries.

The Global Warming Potential (GWP) of VOC is 11 times higher than CO2.

Nevertheless, these compounds are widely used in printing, painting, cleaning, etc. due to their capacity to evaporate after use.

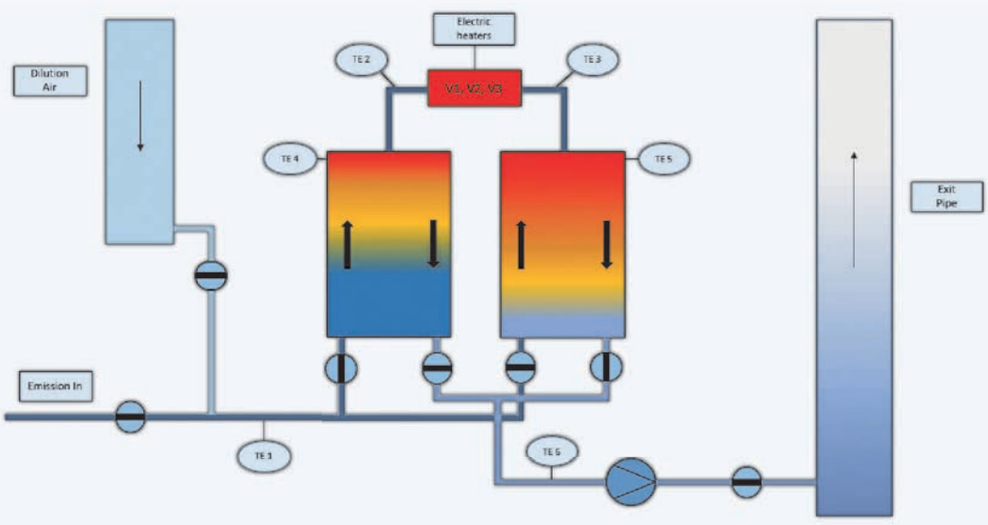
Volatile Organic Compounds pose a risk to human health.

[illegible] RCO[illegible]

- [illegible]

VERY COMPETITIVE [illegible]

- Highly efficient with low VOC concentrations
  - Can also cope with higher peaks
- No extra heating energy above the auto thermal point
  - Auto thermal point starts at 0,6 g/Nm^3
  - Decrease your carbon footprint.
- Extra heating
  - Electric
  - Gas burner



RTO RCO

THERMAL

- Higher temperature load for construction
- Not sensitive to poisons
- High purification effiency

CATALYTIC

- 500 °C lower operation temperature
- Because low operation temperature no harmful by-product such as NOx
- Lower operation costs (1/3 of RTO)
- Low maintenance costs
- Smaller size (1/3 of RTO)
- High purification effiency above 98%

More with RCO RCO

Energy consumption comparison RTO vs. RCO
RTO vs. RCO

Air flow rate		25 000	Nm³/h
Inlet temperature		25,0	°C
Operation time		8700	h/a
VOC concentration	VOC	0,70	g/Nm³
VOC net heating value	VOC	27,0	kJ/g

Abatament technology	RTO	RCO	
Thermal efficiency	94,0 %	94,0 %	
Incineration temperature	800	300	°C
Autothermal point	2,23	0,79	g/Nm³
Outlet temperature	71,5	41,5	°C
Heating power	286	17	kW
Heating energy	2 491	147	MWh/a