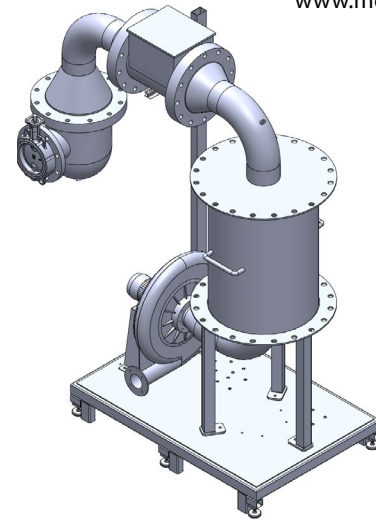


Ozone  
destructor

Elektravägen 53  
SE-126 30 Hägersten, Sweden  
+46 10 252 30 00  
www.mellifiq.com



# Contra Ozone Destructor

The Contra is a full solution for ozone destruction fixed on a pallet with standard EUR footprint. The system is composed by several parts, based on the request of the customer and is perfect for large water applications where a high amount of ozone is used. The material used for the ozone destruction is a catalyst specifically designed for this purpose. It is the same material of our OD 100-5000 product series. The catalyst ensures an outlet ozone concentration of 0.1 ppm, regardless the inlet concentration. The material bed is encased in a 316 L stainless steel module, complete with fittings/connections and catalytic material. The Contra is useful for many applications both in air and water treatment, such as large water applications with Drinking Water and COD & BOD Treatment, aswell as Ozone applications for air sanitation.

## Advantages

- Effective ozone destruction below 0.1 ppm
- Destruction independent from inlet concentration
- Complete solution for broad range of streams
- Small footprint: one standard EUR pallet
- Robust solution with low maintenance needed
- Modular design, flexible configuration
- Long lifetime

## Technical specifications

### Ozone destruction solution specifications

#### Ozone air flow:

Contra – 50	0 – 50 m <sup>3</sup> /h
Contra – 150	0 – 150 m <sup>3</sup> /h
Contra – 300	0 – 300 m <sup>3</sup> /h
Contra – 500	0 – 500 m <sup>3</sup> /h

Output ozone concentration	0.1 ppm
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Temperature	0 – 120 °C <sup>1</sup>
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Relative humidity	0 – 100 % RH
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Catalyst encasing material	316 L stainless steel
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<sup>1</sup>Typical allowed temperature, may vary according to operating conditions



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# Ozone destructor

## Technical specifications by model

Model	Contra - 50	Contra - 150	Contra - 300	Contra - 500
Capacity max	50 m <sup>3</sup> /h	150 m <sup>3</sup> /h	300 m <sup>3</sup> /h	500 m <sup>3</sup> /h
Ozone concentration max	300 g/m <sup>3</sup>	300 g/m <sup>3</sup>	300 g/m <sup>3</sup>	300 g/m <sup>3</sup>
Weight, kg	170	277	353	405
Dimensions WxDxH, mm	1,200 x 800 x 2,015	1,328 x 800 x 2,015	1,707 x 800 x 2,054	1,767 x 800 x 2,053
Fan max.power W	250	250	1,100	1,100

## List of components

Unit	Description
Catalyst module	SS 316 L module for encasing the catalyst material. The module is designed for a user-friendly maintenance and replacement of the material, if necessary
Catalyst bed	Ozone destruction catalyst
Piping	Piping used connect the parts of the system together, as well as with the process stream. Different types of connections are available
Fan	Fan is used for desired air flow rate

## Optional accessories

Unit	Description
F7-type filter	Filter to remove dust and particles going to the catalyst bed
Demister	Demister for removing water droplets
Heater	Heater to avoid water condensation in the catalyst material 300-3,300 W <sup>1</sup>
Line ozone sensor	Sensor for a continuous monitor of ozone concentration at the system outlet
Pressure sensor	Sensor for checking the pressure drops over the catalytic bed
Control system	Control system for regulating the power of the fan, keeping a constant set point for the air flow rate

<sup>1</sup>Heater required power depends on air flow and intake temperature for each Contra model

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