



Major Applications

- Ozone exhaust gas treatment for ozone gas/water equipment
- Ozone exhaust gas treatment for semiconductor cleaning equipment (O₃ water cleaning, VUV cleaning *1, O₃ deposition, etc.)
- Excess ozone exhaust gas treatment in water treatment facilities

*1 Surface modification method that involves cleaning and modifying surfaces by irradiating them with UV light in the atmosphere.

Features

- The OZK ozone decomposer uses a honeycomb-shaped catalyst, has low pressure loss and a long life, and can decompose high-concentration ozone gas to a concentration of 0.1 ppm or less.
*2 Active carbon type and granular catalyst type ozone decomposer are also available.
- If you can provide us the concentration, flow rate, and humidity of the ozone gas to be treated, we will propose, design and quote the optimal ozone decomposition device.
- The shape of the main unit and the shape of the piping connections can be customized upon request.

Line-up

Ozone gas decomposer (Ozone killer) For low concentration

Type	OZK-16K-2005	OZK-36K-2015	OZK-72K-2025
Treated ozone gas concentration [ppm] max.	200	200	200
Process ozone gas flow rate [m ³ /min] max.	500	1500	2500
Outlet concentration [ppm] or less	0.1	0.1	0.1
Max. pressure drop [kPa] max.	0.1	0.1	0.1
Expected lifetime [approx. years]	1	1	1
Dimensions [W x H x D] mm *Excluding the mating area	364×407×330	514×557×330	514×557×560
Weight [approx. kg]	21.5	39.5	67

Ozone gas decomposer (Ozone killer) for high concentration

Type	OZK- I	OZK- II	OZK- III
Treated ozone gas concentration [g/m ³ (N)] Max.	100	100	100
Process ozone gas flow rate [L /min] Max.	3	6	9
Outlet concentration [ppm] or less	0.1	0.1	0.1
Expected lifetime [approx. years]	1	1	1
Dimensions [W x H x D] mm	131×207×105	171×317×105	175×420×105
Weight [approx. kg]	1.6	2.5	3.6

*In addition to the above models, we can also introduce equipment for various applications and requirements.

*The contents of the catalog are subject to change without notice.

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.