

Primozone® DM and DEXF-series

Thermal-catalytic ozone destruct units

Even in a correctly designed ozone water treatment system there will be some residual ozone in the off-gas. With a thermal-catalytic ozone destruct unit any un-reacted vent ozone is efficiently and reliably removed in a very energy efficient way.

The Primozone® ozone destruct units come in two different models.

Primozone® DM-series

The DM-series has a built-in fan and is the recommended choice when using larger, non-pressurized reaction tanks or basins. The speed of the fan is based on the gas flow to minimize energy usage.

Primozone® DEXF-series

The DEXF-series does not include any fan and is recommended for non-pressurized sealed tanks. The DEXF is delivered with a separate electrical cabinet and can be run in manual or automatic mode.

How it works

Thermal catalytic destruct units uses catalytic granular that decomposes the ozone to oxygen. The vent gas is heated before it is passed through the granular to remove humidity and thus improve the performance of the granular.

Features

- High ozone destruction efficiency ensuring <0,1 PPM ozone residue
- Very energy efficient
- Temperature is monitored and adjusted automatically
- Manual or automatic operation



Primozone® DM100 ozone destruct unit

Primozone® DM-series

Model	Flow m³/h	Ozone output	Electrical rating	Voltage	Operating temperature	Connections	LxWxH m/inch	Weight
						In/Out		
DM25	25	<0.1 ppm	0.9 kW	400V+N+PE	50-60° C (122-140°F)	DN100 PN6	0.64x0.95x1.95 m 25x37x77 inch	300 kg 661 lbs
DM50	50	<0.1 ppm	1.4 kW	400V+N+PE	50-60° C (122-140°F)	DN100 PN6	0.64x0.95x1.95 m 25x37x77 inch	330 kg 728 lbs
DM75	75	<0.1 ppm	3.5 kW	400V+N+PE	50-60° C (122-140°F)	DN100 PN6	0.64x0.95x1.95 m 25x37x77 inch	400 kg 882 lbs
DM100	100	<0.1 ppm	3.8 kW	400V+N+PE	50-60° C (122-140°F)	DN100 PN6	0.64x0.95x1.95 m 25x37x77 inch	430 kg 948 lbs

Primozone® DEXF-series (without fan)

Model	Flow m³/h	Ozone output	Electrical rating	Voltage	Operating temperature	Connections	H x Ø	Weight
						In/Out	(without electrical cabinet)	
DEXF7	7	<0.1 ppm	0.3 kW	230V 50/60Hz	50-60°C (122-140°F)	DN65 PN6	0.6x0.2 m 24x8 inch	23 kg 51 lbs

About Primozone

At Primozone® we are committed to provide our customers with cost efficient and environmentally friendly ways to clean and treat water with ozone. Our ozone generators and ozone water treatment systems are based on cutting-edge technology and generate far more ozone while using far less energy.

At Primozone we have found an innovative way to make ozone generation efficient and cost effective.

Our solution has proven to save up to 70% of the energy consumption compared to traditional ozone generators. Furthermore the Primozone Ozone Generator is small and has the capacity to generate ozone with a proven high concentration.

Ozone is not only a natural product but also one of the most efficient methods to clean and treat water.

Primozone®
Clean water. The *natural* way.™

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