



The water treatment specialist

ozone triogen[®] O₃ Flex

The **triogen[®] O₃ Flex-10** is a compact, integrated system designed for water disinfection and oxidation for a **wide variety of industrial applications**. The system incorporates the triogen[®] oxygen concentrator, triogen[®] TOGC2 Ozone generator, booster pump, and injection assembly and is capable of producing and delivering a variable Ozone output of between 1-10 g/h.

applications

- Bottling, canning, and CIP
- Small-scale aquaculture
- Industrial oxidation and disinfection processes
- Process validation (bench-scale trials)

benefits +

- Ease of installation and operation
- Cost effective and reliable performance
- Variable, easily adjustable Ozone output
- Flexibility to use in a wide range of applications
- Compact footprint suitable for small spaces

technical features

- Corona discharge Ozone generation capable of 1-10 g/hr variable Ozone production
- PSA Oxygen concentrator (>90% concentration)
- PVC injection assembly and integrated booster pump
- Universal 1" pipe connections
- Fan assisted air cooling



O₃Flex-10

system overview



1- triogen® Oxygen Concentrator

- Compact, PSA Oxygen concentrator
- 6lpm of Oxygen produced at 9 psig (0.6 bar)
- >90% Oxygen concentration
- Demand valve to self-regulate Oxygen flow
- Gas flowmeter, pressure regulator, pressure gauge, and intuitive controls.



2- triogen® TOGC2 Ozone Generator

- Compact Ozone generator
- 2-5lpm of Ozone
- 10%-100% variable Ozone concentration
- Gas flowmeter, potentiometer, operation and fault LEDs



3- triogen® Injection Assembly

- Compact pipework assembly
- Booster pump
- Gas-in-water injector
- Manual water shut-off valves
- Universal 1" pipe fittings
- Simple 1-inlet-1-outlet installation/connection

technical data

Model	Ozone Output (variable)	Air Flow (variable)	Water Flow (nominal)	Power Supply Rating	Rated Power	Overall System Dimensions (mm)	Pipework connections (OD: mm/in)			Weight
	g/h	l/min	m³/h	v (±10v) / ph / Hz	kW	L x W x H	Water in	Water out	Ozone out	kg
O ₃ Flex-10	1-10	2-5	1.5	230 / 1 / 50 (standard) or 115 / 1 / 60 (option)	1.3	630 X 445 X 1010	25/1	25/1	0.31/8	75

For requests outside of technical specifications, please contact us

quality standards

- ISO 9001 : 2015
- CE/UKCA Compliance
- IP54 protection class

materials

- Enclosures and frame: stainless steel
- Ozone module: 316L stainless steel electrode assembly inside a ceramic dielectric tube

remote controls and outputs

- Local and remote operation modes
- Electrostatic potentiometer for local Ozone output control
- 4-20mA input for remote Ozone output control

contact

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