

O₃ Flex-10

The triogen® O₃Flex-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 capable of producing and delivering a variable Ozone output of between 1-10 g/h.

APPLICATIONS

- Bottling, canning, and CIP
- 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



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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 O ₃ Flex 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	m ³ /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	230V/1ph/50Hz (standard) or 115V/1ph/60Hz (option)	1.3	630 x 445 x 1010	25 / 1	25 / 1	0.31 / 8	75

QUALITY STANDARDS

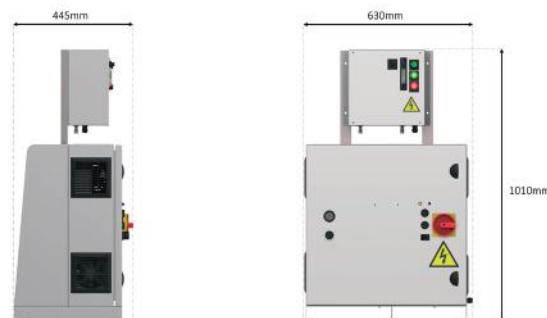
- ISO 9001: 2015
- CE/UKCA Approved
- IP54 protection class

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

Triogen Limited
Unit 14 Langlands Place, East Kilbride G75 0YF
Scotland, United Kingdom
Tel: + 44 (0) 13 55 220 598
Fax: + 44 (0) 13 55 570 058
www.bio-uv.com
info@triogen.com



Your local distributor: