



# OZAT<sup>®</sup> CFS-2G

## Compact Ozone Generators

### OZONE PRODUCTION

#### OXYGEN FEEDGAS

55 to 730 g per hour

#### AIR FEEDGAS

37 to 470 g per hour

### MAIN FEATURES

- Advanced technology
- High ozone concentration
- Compact dimensions
- User friendly interface
- Robust industrial quality
- Low maintenance
- Low harmonic current rejection

### APPLICATIONS

- Drinking water treatment
- Waste water treatment
- Oxidation applications
- Bottle filling plants
- Cooling towers
- Process water
- Pure water
- Aquaculture

*The best solution to produce ozone at high concentration in air or oxygen for small ozone applications*



OZAT<sup>®</sup> CFS

The OZAT<sup>®</sup> CFS second generation ozone generators incorporate Ozonia's patented Advanced Technology dielectric segments together with a state-of-the-art IGBT power supply and all necessary components for the safe and continuous operation at full-load in an industrial environment.

The OZAT<sup>®</sup> CFS-2G units have been designed based on feedback and experience from hundreds of plant operators around the world. Comprehensive control features are incorporated for extremely easy and flexible operation.



*... our way for a better world*

OXYGEN FEEDGAS  10% by weight Ozone Concentration	Model	Ozone Production		Outlet Pressure		Oxygen Requirement		Cooling Water		Mains Power
	Units	g/h	lb/d	barg	psig	Nm <sup>3</sup> /h	scfm	m <sup>3</sup> /h	USgpm	kW
	CFS-1	55	2.9	0.7	10.1	0.39	0.25	0.09	0.40	0.76
	CFS-3	165	8.8	0.7	10.1	1.17	0.75	0.27	1.19	2.14
	CFS-7	370	19.7	1.0	14.5	2.61	1.66	0.56	2.47	4.46
	CFS-14	730	38.5	1.0	14.5	5.11	3.25	1.09	4.80	8.55

AIR FEEDGAS  3% by weight Ozone Concentration	Model	Ozone Production		Outlet Pressure		Dry air Requirement		Cooling Water		Mains Power
	Units	g/h	lb/d	barg	psig	Nm <sup>3</sup> /h	scfm	m <sup>3</sup> /h	USgpm	kW
	CFS-1	37	2.0	2.0	29.0	0.95	0.60	0.09	0.40	0.76
	CFS-3	115	6.0	2.0	29.0	2.93	1.86	0.27	1.19	2.14
	CFS-7	240	12.7	2.0	29.0	6.19	3.93	0.56	2.47	4.46
	CFS-14	470	25.8	2.0	29.0	12.1	7.65	1.09	4.80	8.55

## DIMENSIONS

Model	Length		Width		Height		Weight	
	mm	inch	mm	inch	mm	inch	kg	lb
CFS-1	720	28.4	370	14.6	800	31.5	~50	~110
CFS-3	720	28.4	370	14.6	800	31.5	~70	~155
CFS-7	1000	39.4	450	17.7	800	31.5	~200	~440
CFS-14	1300	51.2	670	26.4	1450	57.1	~420	~926

- Performance based on a cooling water inlet temperature of 20 °C / 68 °F
- Feedgas inlet pressure: 3 to 8 barg / 45 to 115 psig for air and 2.5 to 8 barg / 35 to 115 psig for oxygen
- Feedgas dew-point: -65 °C / -85 °F or drier at atmospheric pressure
- Gas volumes: Nm<sup>3</sup>/h at 0 °C, atmospheric pressure; scfm at 70 °F, atmospheric pressure
- Design altitude: 1000 m.a.s.l. (10000 ft.a.s.l.)  
Reduced performance above
- Ambient temp.: 5 to 40 °C / 41 to 104 °F
- Humidity: <65% (yearly average)
- Protection class: IP 42
- Colour: RAL 1013 (pearl white)
- Standards: SN-EN / IEC / ISO
- Conformity: CE

