

CFV

Compact Ozone Generators

OZONE PRODUCTION

OXYGEN FEEDGAS

1.24 to 14.8 kg per hour

AIR FEEDGAS

0.75 to 8.97 kg per hour

MAIN FEATURES

- Advanced technology
- High ozone concentration
- Compact dimensions
- User friendly interface
- PLC with optional bus
- 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
- Aquaculture

The best solution to produce ozone at high concentration in air or oxygen for medium-sized ozone applications



The CFV range of compact ozone generators incorporate the 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 CFV units have been designed based on feedback and experience from hundreds of plant operators around the world. The comprehensive PLC control ensures flexible operation and allows easy integration in to the main plant control system.

OXYGEN FEEDGAS 10% by weight Ozone Concentration	Model	Ozone Production		Outlet Pressure		Oxygen Requirement		Cooling Water		Mains Power
	Units	kg/h	lb/d	barg	psig	Nm ³ /h	scfm	m ³ /h	USgpm	kW
	CFV-02	1.24	65.6	1.0	14.5	8.71	5.52	1.85	8.15	13.6
	CFV-03	1.86	98.4	1.0	14.5	13.1	8.30	2.77	12.2	20.4
	CFV-04	2.48	131	1.0	14.5	17.4	11.1	3.69	16.3	27.0
	CFV-05	3.75	199	1.0	14.5	26.4	16.8	5.62	24.7	38.4
	CFV-10	7.69	407	1.0	14.5	54.0	34.3	11.5	50.5	77.2
	CFV-20	14.8	784	1.0	14.5	104	66.0	22.0	96.9	152

AIR FEEDGAS 3% by weight Ozone Concentration	Model	Ozone Production		Outlet Pressure		Dry air Requirement		Cooling Water		Mains Power
	Units	kg/h	lb/d	barg	psig	Nm ³ /h	scfm	m ³ /h	USgpm	kW
	CFV-02	0.75	39.7	1.5	21.7	19.4	12.3	1.85	8.15	13.6
	CFV-03	1.12	59.3	1.5	21.7	29.1	18.4	2.77	12.2	20.4
	CFV-04	1.50	79.4	1.5	21.7	38.7	24.6	3.69	16.3	27.0
	CFV-05	2.27	120	1.5	21.7	58.6	37.2	5.62	24.7	38.4
	CFV-10	4.65	246	1.5	21.7	120	76.1	11.5	50.5	77.2
	CFV-20	8.97	475	1.5	21.7	232	147	22.0	96.9	152

DIMENSIONS

Model	Length		Width		Height		Weight	
Units	mm	inch	mm	inch	mm	inch	kg	lb
CFV-02	2000	78.8	1150	45.3	2000	78.8	~750	~1654
CFV-03	2000	78.8	1150	45.3	2000	78.8	~850	~1874
CFV-04	2000	78.8	1150	45.3	2000	78.8	~950	~2095
CFV-05	2500	98.5	1500	59.1	2000	78.8	~2000	~4410
CFV-10	2900	115	1900	74.8	2000	78.8	~2050	~4520
CFV-20	2900	115	1900	74.8	2000	78.8	~3000	~6614

- 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: Nm³/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