

Ozone generator

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ICT 20-500

All ICT ozone generators are built into a stainless steel cabinet with the ozone, oxygen and water connections on the bottom side. The built-in microprocessor monitors all vital system parameters and errors are indicated through a relay which can be connected to an external interface. Ozone production can be regulated manually or with a 4-20 mA analog signal. The generator can via relay switches start or stop external units such as oxygen generators.



Specifications by model

Model	ICT-20	ICT-40	ICT-60	ICT-80	ICT-100	ICT-120	ICT-500
Nominal O ₃ prod. [g/h]	4-20	8-40	12-60	16-80	20-100	24-120	86-500
O ₃ concentration [g/Nm ³]	135	135	135	135	135	135	135
At feed gas flow [l/min]	2.5	5.0	7.5	10.0	12.5	15.0	62.5
99% O ₂ at pressure [bar g/psig]	1.2 / 17.4	1.2 / 17.4	1.2 / 17.4	1.2 / 17.4	1.2 / 17.4	1.2 / 17.4	1.2 / 17.4
Cooling water, min. [l/min]	1	2	3	4	5	6	25
Power consumption [W]	250	500	750	1,000	1,250	1,500	6,240
Weight [kg/lb]	21 / 46.3	22 / 48.5	23 / 50.7	26 / 57.3	27 / 59.5	28 / 61.7	102 / 227



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Ozone generator

Technical specification

Ozone production	
Concentration, max	240 g/Nm ³
Feed gas	
Oxygen	99.5% (max dew point -60 °C/-140 °F)
Pressure, in	2 – 4 bar g (29.0 - 58.0 psig)
Pressure, internal	0.8 – 1.2 bar g (11.6 - 17.4 psig)
Cooling water	
Quality	Fresh, filtered & clean
Pressure, in	2.5 – 5.0 bar g (36.3 - 72.5 psig)
Temperature	5 -12 °C (41- 53.6 °F)
Electrical connection	
Voltage	230 VAC, 50 Hz
Connections	
O ₂ in	8 mm, push in
O ₃ out	8 mm, tube fitting
Cooling water, in	8 mm, push in
Cooling water, out	8 mm, push in
Dimensions	
Size ICT 20-120 (L x W x H)	400 x 400 x 200 mm (15.7 x 15.7 x 7.9 in)
Size ICT 500 (L x W x H)	1,000 x 1,000 x 400 mm (39.4 x 39.4 x 15.7 in)
IP class	
	64

Advantages

- System parameters display
- Compact design
- Alarm signal output (relay)
- High ozone concentration
- Easy to maintain
- 4-20 mA analogue input (optional)
- Very low noise level



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