

PRODA OZONE GENERATORS DATA SHEET _20 TO 400 GR/HR

TECHNICAL FEATURES IN GENERAL

PRODA DO MODEL (Industrial)
With ozone capacity : 20,40,50,80,100,200,400 gO₃/h
With ozone concentrations : 55 -90 gO₃/m³
Ozone produced by : concentrated oxygen
(inbuilt the electrical board, no need any oxygen from outer source)
Compressors included : (C*)
Pressure regulators included : (P*)
Ampmeters, voltmeters included : (AV*)
Dissolved ozone analyser included : (OA*)



TECHNICAL SPECTS	UNITS	PRO DO20	PRO DO40	PRO DO50	PRO DO60	PRO DO80	PRO DO100	PRO DO120	PRO DO200	PRO DO400
Ozone production (moduler)	grO ₃ /hr	20	40	50	60	80	100	120	200	400
Number of modules	pc	1	2x20	1	3x20 1x20 + 1x40	2x40	2x50	3x40	1x200 plate 4x50 tubular	2x200 plate 8x50 tubular
Ozone concentration	grO ₃ /m ³	55-60	60-65	85-90	55-60	60-65	85-90	60-65	85-90	85-90
Ozone producing type	Corona(tube/plates)	ceramic tube	ceramic tube	ceramic tube	ceramic tube	ceramic tube	ceramic tube	ceramic tube	ceramic tube ceramic plate	ceramic tube ceramic plate
Air requirement	L/min, 3.5 bar max.	50 (C*)(P*)	120 (P*)	140 (P*)	150 (P*)	180 (P*)	280 (P*)	360 (P*)	560 (P*)	1120 (P*)
(Ozone+Oxygen) gas outlet flow&pressure	L/min, at 0,03-0,8 bar	5	8	10	15	16	20	24	40	80
Cooling (water &air)	L/min	4	10	10	12	20	20	30	35	75
Adjustable ozone output range	%	%20-%100	%20-%100	%20-%100	%20-%100	%20-%100	%20-%100	%20-%100	%20-%100	%20-%100
Electrical condition	380 V, 50/60 Hz.	(AV*)	(AV*)	(AV*)	(AV*)	(AV*)	(AV*)	(AV*)	(AV*)	(AV*)
Power	W	750	1500	1500	2000	2500	2800	3500	5500	12 kW
Output high voltage	KV / KHz	2.5-3.5 / 12	3.8-4.2 / 6	3.8-4.2 / 6	3.8-4.2 / 6	3.8-4.2 / 6	3.8-4.2 / 6	3.8-4.2 / 6	3.8-4.2 / 6	3.8-4.2 / 6
Diamensions	(H:W:D) mm	1550X600x650	1550X600x650	1550X600x650	1600X650x650	1550X600x650	1600X650x650	1600X800x650	1600X800x650	1600X800x650
Certifications	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
Weight	kg	75	100	125	130	140	150	165	175	200
Including	PTFE tube 8-10 mm	provided	provided	provided	provided	provided	provided	provided	provided	provided

Test Conditions

Using the ultraviolet absorption method to test the ozone output and concentration.
Oxygen purity: >95%, Dew point: >-45°C. Ambient temperature: ≤10°C, Humidity: <10%
(Different temperature and humidity in the environment will affect the ozone output and concentration.)

** Prices will be evaluated due to the design of production considering the customer application.

All PRO DO models are suitable for the applications of drinking water and food processing. These devices are all oxygen generator included, no need to feed oxygen from outsource, air must be supplied by customer (except PRODA DO 20 model). Reaction tank, ozone analyzer or ORP devices and injection system is not included in the prices above. They could be entegrated due to the customers applications.

PRODA OZONE CONTACT SYSTEM AND AUTOMATION INCLUDED FOR WATER APPLICATIONS

TECHNICAL FEATURES IN GENERAL

PRODA OZONE CONTACT AND AUTOMATION SYSTEM CONSIST OF OZONE CONTACT TANK, CIRCULATING PUMP, INJECTION LINE, OZONE ANALYSER, OZONE SENSOR AND RELATED FITTINGS

Systems are designed due to:

* the capacity of ozonated water as m³/hr

* the chemical and microbiological characteristics of the water that would be ozonated in this system

Contact tank : 316 L quality, tailor made design; in circulation line, in selection of circulation pump capacity, in diameter and the height of the tank due to the contact time needed for the purpose of the ozonation and the characteristics of water.

Circulation pump : Lowara, wetted parts ozone resistant and with **viton gasket**.

Injection line : with ozone resistant ventury injector, by-pass line and valves.

Ozone Analyser : 2 relay output signals, with sensor and sensor holder.



TECHNICAL SPECTS	UNITS	PRO OCS 600	PRO OCS 1500	PRO OCS 2500	PRO OCS 2500	PRO OCS 3500	PRO OCS 3500	PRO OCS 5000
		Ozone Contact System	L	600	1500	2500	2500	3500
Thickness of the body	mm	2.5	2.5	3	4	3	4	3
Water capacity	m ³ /hr	3.0-10.0	10.0-25.0	25.0-35.0	25.0-35.0	35.0-55.0	35.0-55.0	55.0-100.0
Circulation pump	m ³ /hr	1.0-3.0	3.0-5.0	5.0-10.0	5.0-10.0	12.0-18.0	12.0-18.0	15.0-25.0
Standarts	TS EN ISO 9001:2008 (TUV AUSTRIA HELLAS) DIN EN 287-1 141 T BW 8 St1,5 D52 H-L045 ssnb CE - BENART International Control and Certification Inst.							

All PRO OCS models ozone contact systems are suitable for the applications of drinking water and food processing. These system are resistant exposure to ozone gas or pure oxygen. All welding on the 316 quality reaction tank is argon welding process.