

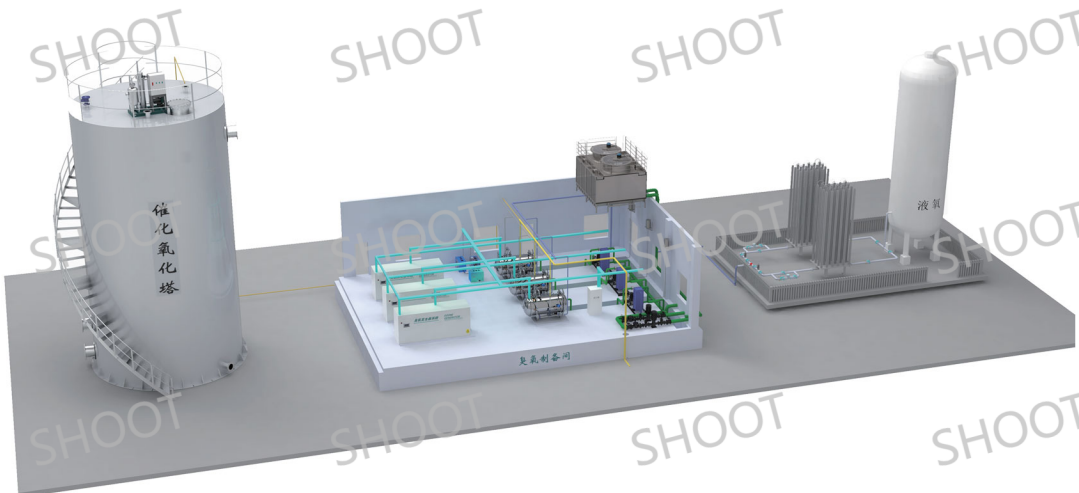
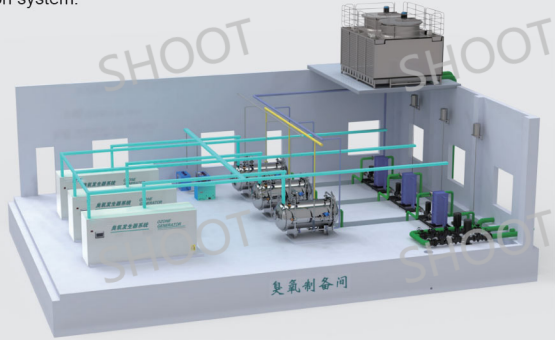


# 臭氧发生系统

## Ozone generation system

Using the principle of high voltage discharge, ionizing oxygen (or air) produces high concentration ozone. The dielectric barrier discharge technology is used to add high voltage alternating current to the high voltage electrode with an insulator in the middle interval and a certain gap, so that the dry purified air or oxygen passes through, and the high voltage discharge is used to produce blue glow discharge (corona). The free high ions in the corona dissociate oxygen molecules, and the ozone molecules are polymerized by collision. The output and concentration of ozone can be adjusted by adding voltage, current and gas volume.

SHOOT ozone generator is composed of air source system, ozone generation system, power supply system, cooling system, control system, ozone dosing/distribution system and ozone tail gas destruction system.



### SHOOT oxygen source Ozone generator

Model	Ozone production (kg/h)		Gas yield (Nm <sup>3</sup> /h)		Cooling water flow (m <sup>3</sup> /h)	Unit energy consumption (kWh/kgO <sub>3</sub> )
	Concentration 115g/m <sup>3</sup>	Concentration 150g/m <sup>3</sup>	Concentration 115g/m <sup>3</sup>	Concentration 150g/m <sup>3</sup>		
SHT-O-500G	0.6	0.5	5	3.5	1	6-8
SHT-O-1K	1.2	1	11	7	2	6-8
SHT-O-2K	2.4	2	21	14	4	6-8
SHT-O-3K	3.6	3	32	21	6	6-8
SHT-O-5K	6	5	54	35	10	6-8
SHT-O-10K	12	10	107	70	20	6-8
SHT-O-15K	18	15	161	105	30	6-8
SHT-O-20K	24	20	214	140	40	6-8
SHT-O-30K	36	30	321	210	60	6-8
SHT-O-40K	48	40	429	280	80	6-8
SHT-O-50K	60	50	536	350	100	6-8
SHT-O-60K	72	60	643	420	120	6-8
SHT-O-80K	96	80	857	560	160	6-8
SHT-O-100K	120	100	1072	700	200	6-8

Note: Other output can be customized

### SHOOT air source ozone generator

Model	Ozone production (kg/h)		Gas yield (Nm <sup>3</sup> /h)		Cooling water flow (m <sup>3</sup> /h)	Unit energy consumption (kWh/kgO <sub>3</sub> )
	Concentration 25g/m <sup>3</sup>	Concentration 30g/m <sup>3</sup>	Concentration 25g/m <sup>3</sup>	Concentration 30g/m <sup>3</sup>		
SHT-A-500G	0.6	0.5	24	17	2	13-16
SHT-A-1K	1.2	1	48	34	4	13-16
SHT-A-2K	2.4	2	97	68	8	13-16
SHT-A-3K	3.6	3	145	102	12	13-16
SHT-A-5K	6	5	242	170	20	13-16
SHT-A-10K	12	10	485	340	40	13-16
SHT-A-15K	18	15	727	510	60	13-16
SHT-A-20K	24	20	970	680	80	13-16
SHT-A-30K	36	30	1454	1020	120	13-16
SHT-A-40K	48	40	1939	1360	160	13-16
SHT-A-50K	60	50	2424	1700	200	13-16

Note: Other output can be customized