

NanoE

Nanobubble Generator



Applications

- RAS system
- Pond & lake treatment
- Sterilization & cleaning
- Effluent treatment plant

Distinct Features:

- ~120 nm mean size nanobubble diameter
- 75-80 % Ozone Transfer Efficiency (OTE)
- $>1 \times 10^8$ Nanobubbles / mL
- Plug-and-play installation & easy maintenance.

NanoE series					
	NanoE 5	NanoE 15	NanoE 30	NanoE 60	NanoE 100
ELECTRICAL POWER					
Voltage	220V	415V	415V	415V	415V
Phase	Single	3+N	3+N	3+N	3+N
Hz	50	50	50	50	50
Pump Motor Power (hp)	1	1.0	2.0	3	7.5
Compressor Power (hp)	1.0	1.0	1.0	1.0	1.0
Concentrator current (Amps)	3.5	3.5	3.5	3.5	3.5
Total Current (Amps)	12.2 A	8.5 A, 1.5 A, 1.5 A	10.0 A, 3.0 A, 3.0 A	17.5 A, 10.5 A, 10.5 A	17.5 A, 10.5 A, 10.5 A
PUMP					
Pump Type	Centrifugal pump				
Material of construction	SS 304				
UNIT CONNECTIONS					
Suction (inch)	2.0	2.5	2.5	4.0	3.0
Discharge (inch)	2.0	2.5	2.5	4.0	3.0
DIMENSIONS AND WEIGHT					
Height, ft	2.08	3.25		3.25	
Width, ft	1.00	2.15		2.15	
Length, ft	1.50	2.50		2.85	
Weight, kg	30	50	80	120	160
OXYGEN & OZONE CONCENTRATOR					
Capacity (lpm)	10.0	10.0	10.0	10.0	20.0
Oxygen concentration (%)	95.0%	95.0%	95.0%	95.0%	95.0%
Operating temperature(°C)	10-50	10-50	10-50	10-50	10-50
Humidity (%)	10-90	10-90	10-90	10-90	10-90
Power (Watts)	800	800	800	800	800
Operating altitude,ft	6000	6000	6000	6000	6000
Ozone capacity	10 gm/hr	20 gm/hr	20 gm/hr	40 gm/hr	40gm/hr
CAPACITY					
Flow rate, m3/hr	5.0	15	30	50	100
Head, m	40	10	10	25	10

**Specifications may change due to constant improvement of design and development