

NanoCloud

Nanobubble Generator



Applications

- Water treatment
- Drip irrigation
- Agriculture & horticulture
- Biofilm removal

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.

NanoCloud series

	NanoCloud 5	NanoCloud 15	NanoCloud 30	NanoCloud 50	NanoCloud 100
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)	1.0	2.0	2.0	3.0	5.0
Discharge (inch)	1.0	1.0	1.2	3.0	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
Air Compressor					
Capacity (lpm)	10.0	30.0	50.0	60.0	120.0
Voltage, V	220	220	220	220	220
Pressure, bar	8	8	8	8	8
Power (Watts)	750	750	750	750	750
RPM	1440	1440	1440	1440	1440
CAPACITY					
Liquid Flow rate, m3/hr	5.0	15	30	50	100
Head, m	20	10	10	10	10
Air flow rate, lpm	20	30	40	50	100

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