



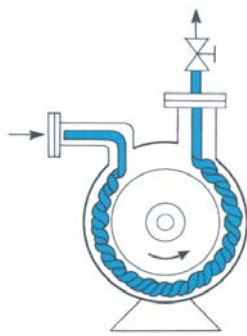
OZONE MICRO BUBBLES MIXER

NIKUNI OZONE MIXER

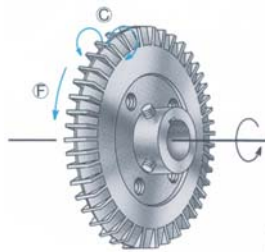
Efficient, reliable and durable mixers that generates highly saturated dissolved water-ozone stream. with very high dissolve rate against water capacity.

CONSTRUCTION:

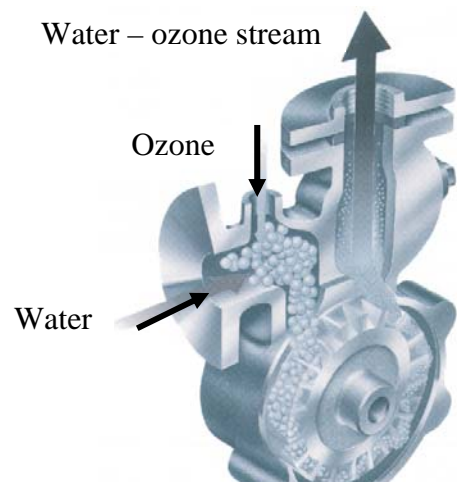
- NIKUNI Ozone Mixer is a small unit that let to eliminates the need for a compressor, large size dissolving tank, pressurization tank, agitator, static mixer and other ancillary equipment to generating water – ozone stream.
- Excellent bubble generator for exercising three functions at the same time : suction, mixing of water and ozone and force-feed function.



Ozone mixer principle



Rotor



Nikuni Ozone Mixer

APPLICATIONS:

- Sterilisation of potable, process and technological water
- Disinfection, cleaning and sterilisation of tanks, containers, installations etc.
- Deodour, sterilisation in food and especially in fish industry
- Bleaching of effluents
- Sterilisation and preservation of fruits, vegetables and meat.
- Considerable improvement of BOD5, COD- reduction of bacteria, algae and fungus
- Swimming pool water sterilisation – minimisation of chemicals demand like chlorine
- Removal of organic substances from pure water

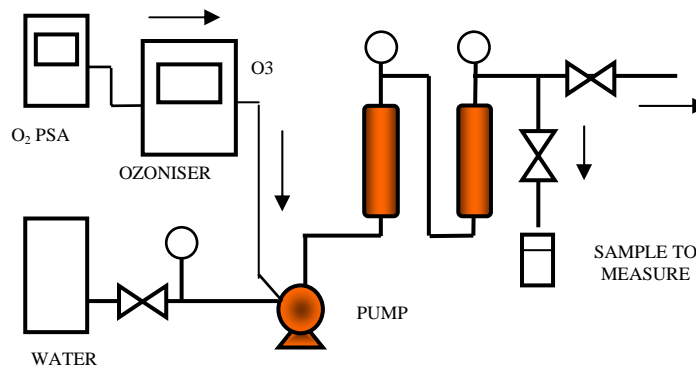
TECHNICAL PARAMETERS

- Mixer capacity: **8 l/min ÷ 850 l/min.**
- High dissolve ratio up to 80% without dissolving tank

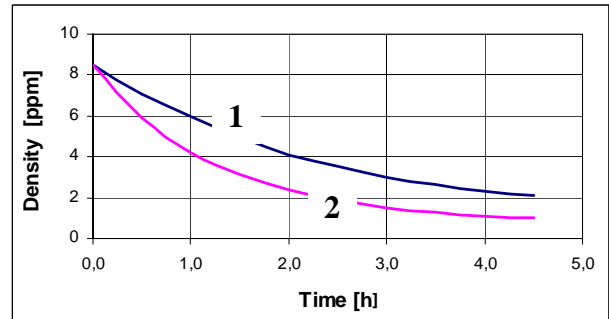
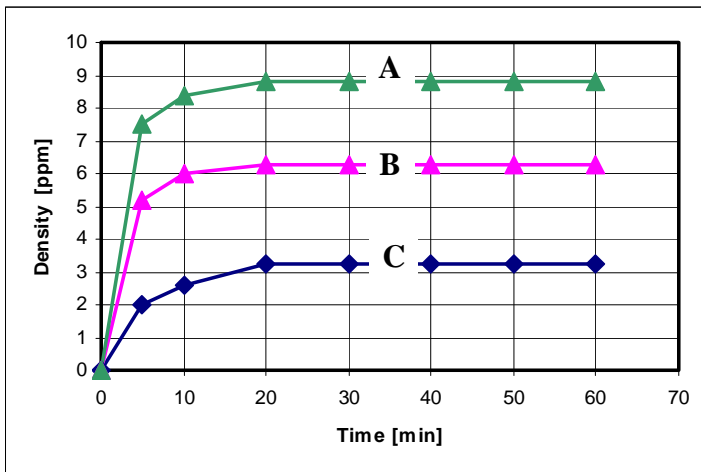
FUNCJONALITY, PERFORMANCE, SERVICE

- Easy operation, no need to monitor mixer parameters either while operates or when repeatedly switch on.
- Highly saturated ozone - water mixture is produced within second, after switch on the mixer
- Easy maintenance and low service cost,.
- Lower electric energy demands and consumption against traditional mixers

EFFICIENCY OF DISSOLVING OZONE IN WATER



TESTING INSTALLATION



1 - Ambient temp. 15°C, sample temp. 16°C

2 - Ambient temp. 36°C, sample temp. 25°C

- A** O₃ gas: 1,2 NL/min x 6,3g/h, Capacity: 11,0 L/min, Efficiency 94,3%
- B** O₃ gas: 1,0 NL/min x 5,8g/h, Capacity: 15,0 L/min, Efficiency 94,7%
- C** O₃ gas: 0,6 NL/min x 4,56g/h, Capacity: 23,0 L/min, Efficiency 96,8%

Test conditions: ambient temp.: 15°C ÷ 17°C, water temp.: 14°C, potable water, pump model: M25UPD07Z

NIKUNI OZONE MIXER SPECIFICATIONS

TYPE	WATER CAPACITY l/min (m3/h)	OZONE CAPACITY l/min (m3/h)	MOTOR OUTPUT (kW)	PRESSURE (MPa)
M15NPD(D)	8 (0,48)	0,64 (0,04)	0.20	0,2
M20NP(D)	20 (1,20)	1,60 (0,10)	0.40	0,2
M25NP(D)	40 (2,41)	3,20 (0,19)	0.75	0,2
M32NP(D)	65 (3,92)	5,20 (0,31)	1.50	0,2
M40NP(D)	100 (6,02)	8,00 (0,48)	2.20	0,2
M50SP1	160 (9,64)	12,80 (0,77)	3.70	0,2
M50SP2	210 (12,65)	16,80 (1,01)	5.50	0,2
M50SP3	270 (16,27)	21,60 (1,30)	7.50	0,2
M65SP2	450 (27,11)	36,00 (2,17)	7.50	0,2
M80SP	850 (51,20)	51,00 (3,07)	15.0	0,2