



XTBTM

NANOBUBBLE GENERATOR



APPLICATIONS

- Wastewater Treatment
- H₂S / Odor Control
- Emergency Aeration
- Produced Water Oxidation
- Solids Separation
- Oil / Water Separation
- Iron Oxidation
- CO₂ Injection / pH Control

The patented Moleaer XTBTM Nanobubble Generator is the most efficient gas infusion technology available to transfer virtually any gas into any liquid. The XTB produces billions of nanobubbles, ~100nm in size, that provide near perfect gas transfer efficiency. Bubbles of this size exhibit extraordinary properties including neutral buoyancy, a strong surface charge, and strong oxidation potential. These properties enable the XTB to significantly improve the performance of a water treatment process, increase treatment capacity and decrease operational costs.

Available with flooded suction or positive suction pumps, the Moleaer XTB Nanobubble Generator can be integrated into almost any type of indoor or outdoor installation. Industrial grade components and simple controls deliver durable operation, consistent performance and low maintenance. With the flip of a switch, the Moleaer XTB Nanobubble generator will provide immediate benefits to a treatment process.

Features & Benefits:

- ~100 nm-sized bubbles
- **Aeration of any tank and any depth of water**
- **Compatible with a wide range of treatment processes**
- **Rapid installation and minimal distribution to existing processes**
- **Indoor or outdoor use**
- **Auto gas shut off if loss of prime feed**
- **Corrosion resistant stainless-steel frame and components**
- **Compatible with multiple gas sources**

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XTB EU Series

MODELS	25 XTB	50 XTB	100 XTB	200 XTB
LIQUID FLOW CAPACITY (WATER)				
Flow Rate, m ³ /hr	6	11	23	45
Maximum Liquid Pressure, Bar	1.5			
OPERATING PARAMETERS				
Temperature Tolerance, °C	5 - 60			
Solids, mm	<9.5			
GAS FEED				
Maximum Gas Pressure, Bar	8.5			
Indicated Gas Flow Range, LPM	0 - 1.2	0 - 2.4	0 - 9.4	0 - 14
ELECTRICAL POWER				
Voltage	230	230	230/400	230/400
Phase	1	1	3	3
Hz	50			
Total Compressor Power (kW)	1,12	1,48	3,73	3,73
Max Amp Draw	8.8	11.6	11.1/6.4	11.1/6.4
PUMP				
Pump Type	NPO, TEFC			
Wetted Parts Materials	Buna/Stainless Steel/Viton			
Motor Starter Switch	Onboard NEMA 4X			
UNIT CONNECTIONS				
Customer Pipe Connection, mm*	38.1	50.8	76.2	76.2
Unit Inlet (FNPT), mm	31.8	50.8	50.8	76.2
Unit Discharge (FNPT), mm	25.4	38.1	50.8	76.2
Air Fitting ³ , mm	6.35 Industrial Air			
DIMENSIONS AND WEIGHT				
Height, cm	75	75	69	69
Width, cm	91	91	113	113
Length, cm	71	71	60	60
Weight, kg	90	100	114	127

*Must use a reducer to adapt pipe connection to the unit inlet/discharge. Only use the suggested pipe connection

Note 1: Standard pump, optional pumps are available including submersible, trash, and specialty

Note 2: Connections can be flanged or sanitary upon request

Note 3: CGA 022 fitting 1/4" MNPT (BSPTF) available for use with oxygen tanks

Note 4: Standard PVC Body with standard centrifugal pump

Note 5: All pumps offered are NPO version only.

XTB™

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