

Vacuum Bubble[®] Technology Aerator

Model 600 Series

VBT[™] 601

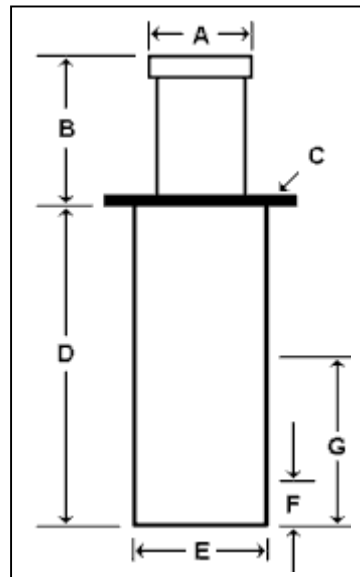
The Vacuum Bubble[®] Technology Aerator 600 is sized for large Dairy and Hog farming lagoons, large municipal sewage processing plants and large industrial applications. This unit has a floatation platform available as an option.

VBT[™] 601 Specifications

Cubic Feet/Minute (Air)	24
Cubic Feet/Day (Air)	35,000
Lb. Oxygen/Day	608
Lb O2/Hp/Hour	12.6
Approximate Flow (Gal/Day) @ 300 PPM BOD5	180,000



A: Motor Diameter	7.00"
B1: Motor Height/1 Phase	13.50"
B2: Motor Height/3 Phase	11.00"
C: Motor Mount (Square)	14.00"
D: Air Tube Length	23.00"
E: Air Tube Diameter	12.00"
F: Min Water Line	6.00"
G: Max Water Line	14.00"



Motor – WEG 2Hp or 3Hp	
Voltage 3 Phase	230/460
Full Load Amps	7.5/3.8

Technical Specifications

Vacuum Bubble® Technology Aerator (“VBT™”) Model 600 Series

A. Electric Motor

2 or 3HP WEG induction asynchronous motor, squirrel cage, cast iron frame mounting according to the following:

Phases	Three phase
<u>Frequency</u>	60 Hz
<u>Voltage</u>	230-460V
<u>Cooling</u>	TEFC
<u>Insulation</u>	Class “F”, with temperature rise 80°C
<u>Duty</u>	S1 – continuous, according to NBR-7094 of ABNT standard
<u>Service factor</u>	1.25
<u>Ambient temperature</u>	40°C
<u>Altitude</u>	3,300 ft
<u>Degree of Protection</u>	IP-55
<u>Rotation</u>	Bi-directional
<u>Frame</u>	145TC
<u>RPM</u>	3600
<u>Special features</u>	Solid stainless steel shaft
<u>Coatings</u>	<ul style="list-style-type: none">• Windings - random-wound copper with anti-fungal, non-hygroscopic insulation
<u>Painting plan</u>	<ul style="list-style-type: none">• Recommended use – non-sheltered marine environment; resistant to acid, alkalis and solvent spills• Surface preparation – blasting Sa 2 ½• Primer – zinc ethyl silicate primer (60 – 100 µm)• Intermediate – epoxy polyamide (120 – 140 µm)• Finish – aliphatic polyurethane enamel (80 – 100 µm)• Finish color – Blue RAL 5007

B. Motor Adapter Plate – 14” x 14” cast aluminum, anodized motor adapter plate

C. Shaft – 304 stainless steel, 1.170” diameter – 21.780” long

D. Air Tube – 12” x 22” Schedule 40 PVC

E. Air Plate – injection molded polypropylene structural foam

Prop – CNC prepared 304 stainless blade formed in high pressure fixture welded to 304 stainless hub