



Products

AAI assembles and sells 4 models of its **Vacuum Bubble[®] Technology** (VBT[™]). These are known as:

- ✓ Model 100 Series
- ✓ Model 200 Series
- ✓ Model 300 Series
- ✓ Model 600 Series

The following pages provide technical information on each Model Series.

Vacuum Bubble[®] Technology Aerator

Model 200 Series

VBT[™] 200

The Vacuum Bubble[®] Technology Aerator 200 is designed for medium sized industrial, commercial, and livestock applications in a tank mounted system. A GFI controller is available for the VBT[™] 200.

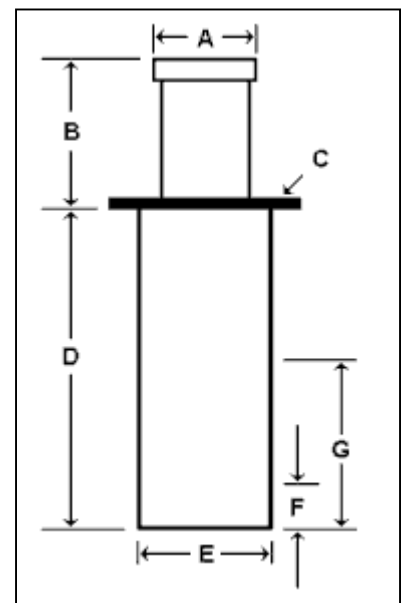
VBT[™] 200 Specifications

Cubic Feet/Minute (Air)	1.25
Cubic Feet/Day (Air)	1,800
Lb. Oxygen/Day	32
Lb O ₂ /Hp/Hour	5.33

A: Motor Diameter	4.17"
B: Motor Height	7.00"
C: Adapter Plate (Square)	6.75"
D: Air Tube Length	21.5"
E: Air Tube Diameter	4.50"
F: Min Water Line	6.00"
G: Max Water Line	16.00"

Motor – Franklin 1/4Hp

Voltage	115/230
Full Load Amps	2.8/1.4



Vacuum Bubble[®] Technology Aerator (“VBT[™]”)
VBT[™] 200 Series

Technical Specifications

A. Electric Motor

1/4HP Franklin induction asynchronous motor, squirrel cage, cast iron frame mounting according to the following:

Phases	Single phase
Frequency	50/60 Hz
Voltage	115V or 230V
Cooling	TEFC
Insulation	Class “B”
Duty	S1 – continuous, according to NBR-7094 of ABNT standard
Service factor	1.0
Max. ambient temperature	40 ⁰ C
Altitude	3,300 ft
Rotation	Clockwise
Frame	36
RPM	3250/2750

Special features

- Overload protection
- 303 stainless steel shaft with proprietary taper attachment

Coatings

- Windings – varnish coating

Painting plan

- Finish – aliphatic polyurethane enamel
- Finish color – Gloss black

B. Motor Adapter Plate – 6.75” square, cast aluminum motor adapter plate

C. Shaft – Series 300 stainless steel, 0.5” tubing 19.5” long

D. Air Tube – 2” x 21.5” Schedule 80 PVC pipe

E. Air Plate – rigid HDPE

F. Prop – Laser cut 304 stainless blade formed in proprietary fixture

G. Hardware – various series 300 stainless steel