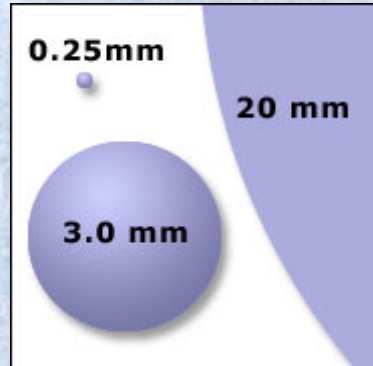




WSI-VBT™-101 VACUUM BUBBLE® AERATOR



FEATURES

The WSI-VBT™-101 Vacuum Bubble Aerator is sized for on-site wastewater treatment, small commercial applications, and pretreatment of industrial wastewater. Several configuration options give flexibility to meet differing requirements. Available options, which may be ordered, include an all-weather housing, self-monitoring electronic controller, and a basic GFI controller.

Tiny vacuum bubbles are created under a partial vacuum and consequently, as they enter the water, the higher water pressure surrounding them causes them to collapse further. There are no other documented aerators with bubbles as small as 0.25mm in diameter.

This technology addresses biochemical oxygen demand (BOD) and waste treatment problems by improving the performance of aerobic bacteria. As the aerobic bacteria oxidize waste and consume oxygen, the Vacuum Bubble® Technology Aerator makes additional oxygen readily available by producing very large populations of micro Vacuum Bubbles®. The process is proven to be highly energy-and cost-efficient across a wide range of applications.

The unit is designed for:

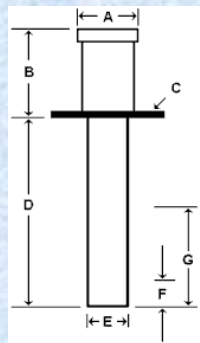
- Quick and easy installation
- On-site wastewater treatment
- Small commercial applications
- Industrial wastewater pre-treatment

QUICK FACTS

- **Quick** installation & setup
- 0.25mm bubbles
- **Promotes aerobic bacterial growth**
- Reduces BOD/TSS by up to 85%

SPECIFICATIONS

| | |
|-----------------------------|----------|
| Cubic Feet/Minute(Air) | 0.22 |
| Cubic Feet/Day (Air) | 317 |
| Lb. O ₂ /Day | 5.49 |
| Lb. O ₂ /Hp/Hour | 3.4 |
| Motor - Franklin 1/15Hp | |
| Voltage (1 Phase) | 115/220 |
| Full Load Amps | 0.5 |
| Electrical Consumption | 0.11 Kwh |
| Depth of Influence | 5'-6' |



| | |
|-------------------------|--------|
| A: Motor Diameter | 4.17" |
| B: Motor Height | 6.5" |
| C: Adapter Plate (Dia.) | 5.5" |
| D: Air Tube Length | 19.75" |
| E: Air Tube Diameter | 2.375" |
| F: Min Water Line | 6.0" |
| G: Max Water Line | 16.0" |

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