



Aeration  
Industries®

# AIRE-O<sub>2</sub>® Aspirator Aerator

## The Trusted Industry Workhorse Since 1974

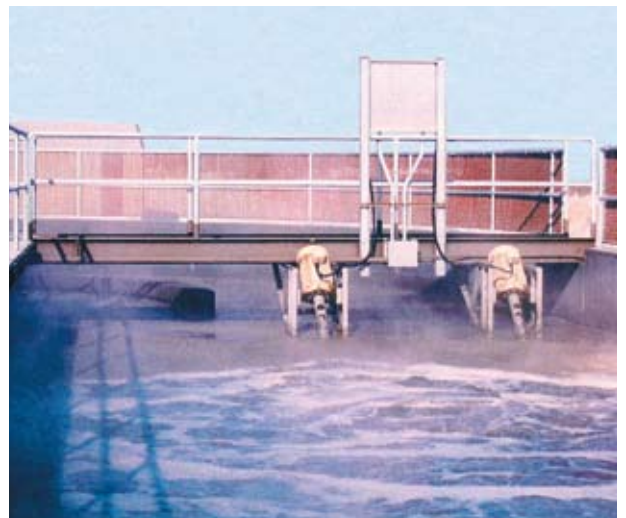
The AIRE-O<sub>2</sub>® aerator is a high quality, minimal maintenance aspirator aerator with superior performance and a proven record. Aeration Industries International, Inc. developed and introduced the innovative, patented aspirator aeration technology in 1974. The aerator creates a high velocity stream of oxygen that keeps solids in suspension and in contact with the plume of fine bubbles. A series of strategically placed units creates "flow linkage," providing whole basin aeration and circulation that prevents short-circuiting. More than 62,000 AIRE-O<sub>2</sub>® aerators have been installed throughout the U.S. and over 92 countries worldwide making it the standard by which durability and quality are measured.



## AIRE-O<sub>2</sub>® Aspirator Aerator Benefits:

- Increased mixing and fine bubble oxygen dispersion.
- Low capital cost investment.
- Large range of Hp sizes adaptable to numerous applications, processes and configurations.
- Adjustable angle of entry allows for shallow to deep applications.
- Ease of installation, portability and minimal maintenance.
- Winter treatment performance efficiency.
- No aerosols or odors, "community friendly."
- Ideal for retrofits and upgrades.
- Three (3) Year Warranty.

Available in 2-100 Hp (1.5-75 kW) sizes in worldwide voltage, phase, Hz combinations.



### **20 years and going strong!**

*"The 8 aerators allow for a turn down in oxygen transfer capability while assuring complete mixing of the ditch under all load conditions. We like the AIRE-O<sub>2</sub> system. Maintenance is easy."*

Madison WWTP, SD

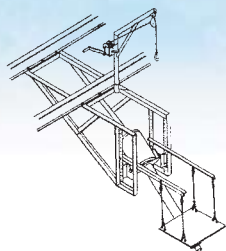


AIRE-O<sub>2</sub> aerators pictured mounted on floats. Bridge mounting shown above.

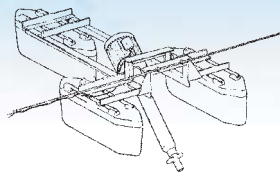
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## Mounting Options:

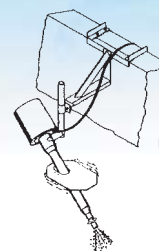
For anchor mounting details please contact the factory.



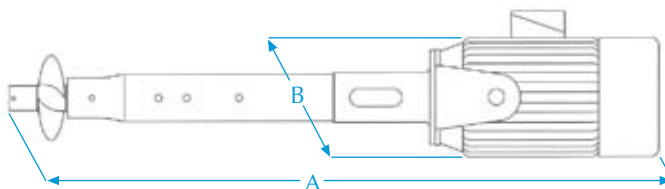
Bridge Mount



Float Mount



Wall Mount



## 60 / 50 Hz Weights & Measures for the AIRE-O<sub>2</sub>® Aspirator Aerator:

NEMA AND IEC Motors Available

| HP  | kw   | Dimensions |            | Motor Frame Size | 60 hz Motor RPM | Motor 50 hz Motor RPM | Motor 60 hz FLA@ 460V | Motor 50 hz FLA@ 380V | Ship weight lbs. (kg) | Pontoon System Avail. | Pontoon System   |
|-----|------|------------|------------|------------------|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
|     |      | A In. (m)  | B In. (m)  |                  |                 |                       |                       |                       |                       |                       |  |
| 2   | 1.5  | 67 (1.70)  | 15 (.38)   | 180TC            | 3505            | 2945                  | 3.6                   | 6.3                   | 226 (103)             | a,b                   | a Intra-Pond   |
| 3   | 2.2  | 67 (1.70)  | 15 (.38)   | 184TC            | 3505            | 2900                  | 4.6                   | 5.2                   | 244 (111)             | a,b                   | b Tri-pontoon  |
| 5   | 4    | 67 (1.70)  | 15 (.38)   | 184TC            | 3480            | 2890                  | 6.8                   | 8.6                   | 246 (112)             | a,b                   | c Quad-pontoon   |
| 7.5 | 5.5  | 69 (1.75)  | 17 (.43)   | 213TC            | 3505            | 2845                  | 10.2                  | 6.26                  | 286 (130)             | a,b                   | d Penta-pontoon  |
| 10  | 7.5  | 75 (1.91)  | 16 (.41)   | 215TC            | 3500            | 2910                  | 12.5                  | 13.8                  | 360 (163)             | b                     | e Hexa-pontoon   |
| 15  | 11   | 81 (2.06)  | 17.5 (.44) | 254TC            | 3510            | 2850                  | 19.4                  | 29.1                  | 465 (211)             | b                     | f Hepta-pontoon  |
| 20  | 15   | 81 (2.06)  | 17.5 (.44) | 256TC            | 3500            | 1465                  | 25                    | 36.3                  | 470 (213)             | b                     | g Octa-pontoon   |
| 25  | 18.5 | 83 (2.11)  | 22 (.56)   | 284TC            | 3510            | 1465                  | 32                    | 43.9                  | 720 (327)             | b,c                   | Pontoon systems available for 50 hz / 60 hz may vary. Contact factory. |
| 30  | 22   | 83 (2.11)  | 22 (.56)   | 286TC            | 3510            | 1469                  | 38                    | 58.3                  | 769 (349)             | b,c                   |  |
| 40  | 30   | 93 (2.36)  | 25 (.64)   | 324TC            | 1765            | 1473                  | 50                    | 72.6                  | 1350 (612)            | d                     |  |
| 50  | 37   | 93 (2.36)  | 25 (.64)   | 326TC            | 1765            | 1473                  | 61                    | 82.9                  | 1775 (805)            | d                     |  |
| 60  | 45   | 93 (2.36)  | 30 (.76)   | 364TC            | 1775            | 1473                  | 70                    | 102                   | 1885 (855)            | e                     |  |
| 75  | 55   | 93 (2.36)  | 30 (.76)   | 365TC            | 1775            | 1473                  | 86                    | 137                   | 1895 (860)            | e                     |  |
| 100 | 75   | 93 (2.36)  | 31 (.79)   | 405TC            | 1775            | 1477                  | 115                   | 169                   | 1930 (875)            | g                     |  |

For estimate only - consult factory.

Data subject to change without notice.



**Aeration Industries®**

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