



AQUA-AEROBIC SYSTEMS, INC.  
A Metawater Company

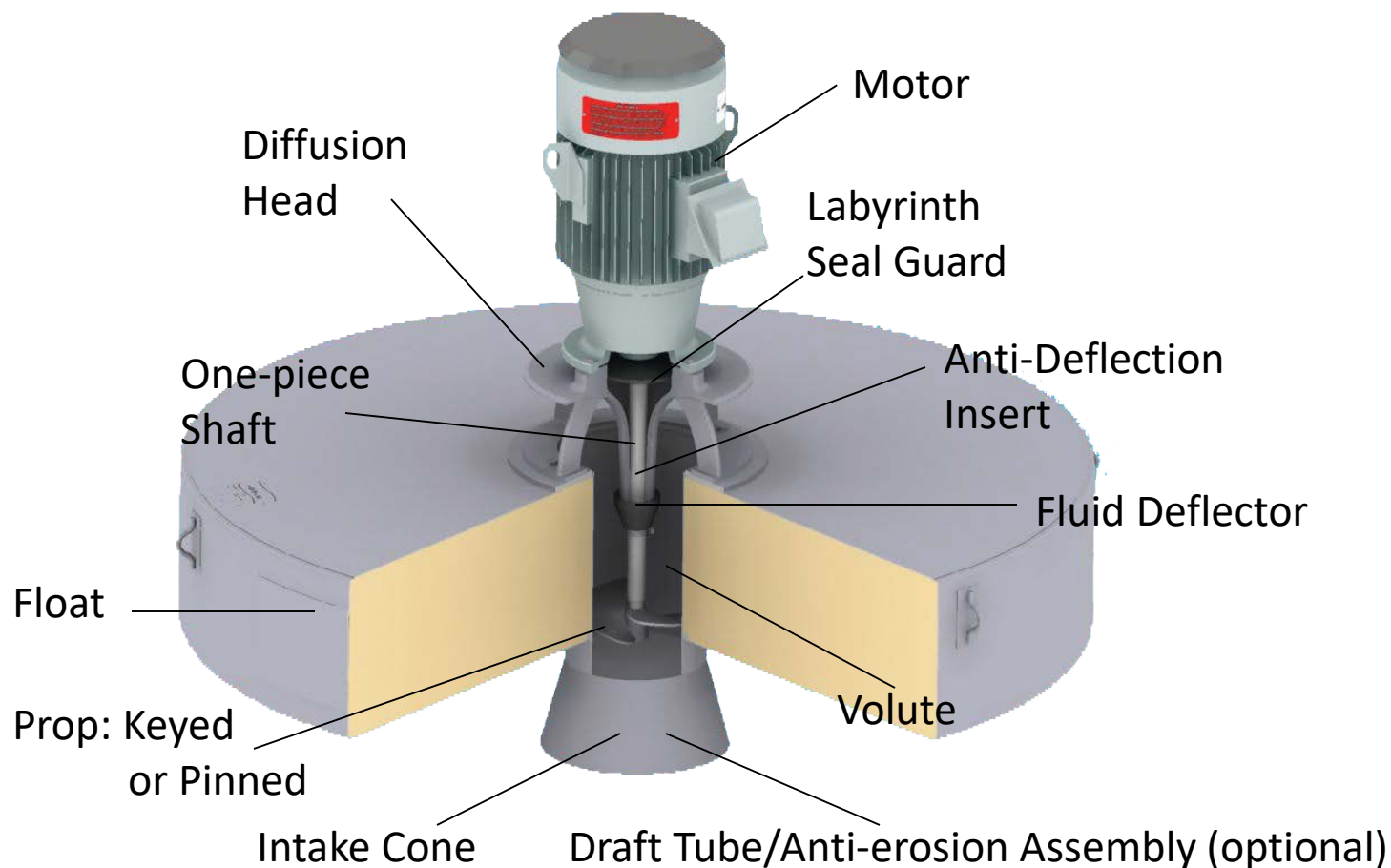
# Aqua-Jet<sup>®</sup>

## Surface Aerator

# Aqua-Jet® Aerator



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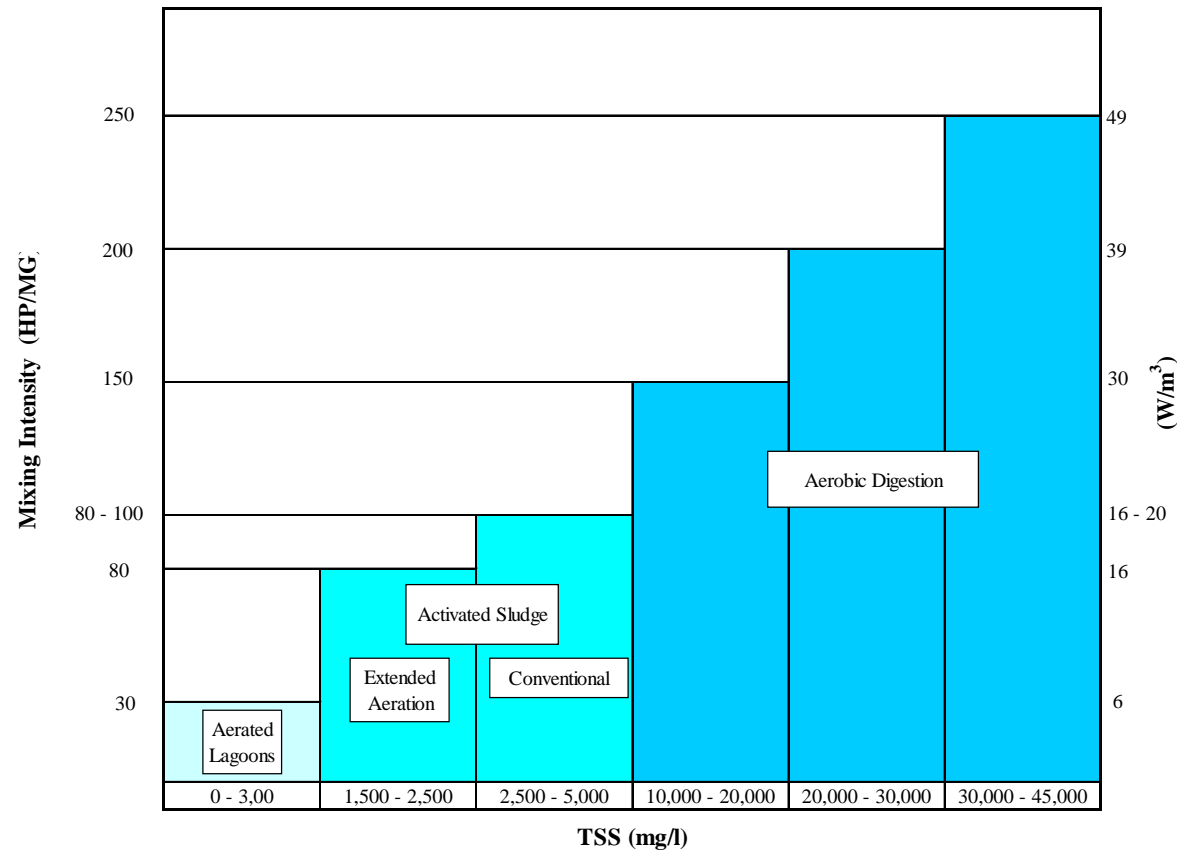


# Aqua-Jet® Aerator

## General Mixing Guidelines



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## Typical Characteristics



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| Unit Size<br>(HP) | RPM  | Z <sub>CM</sub> Dia<br>(Ft) | D<br>(Ft) | Z <sub>OD</sub> Dia<br>(Ft) | Impingement<br>Dia (Ft) |
|-------------------|------|-----------------------------|-----------|-----------------------------|-------------------------|
| 1                 | 1800 | 20                          | 6         | 65                          | 6.5                     |
| 2                 | 1800 | 28                          | 6         | 90                          | 7.0                     |
| 3                 | 1800 | 40                          | 6         | 145                         | 14                      |
| 5                 | 1800 | 45                          | 6         | 150                         | 15                      |
| 7.5               | 1800 | 50                          | 8         | 160                         | 18                      |
| 10                | 1800 | 51                          | 8         | 172                         | 18                      |
| 15                | 1800 | 62                          | 10        | 200                         | 20                      |
| 20                | 1200 | 72                          | 10        | 230                         | 20                      |
| 25                | 1200 | 80                          | 10        | 255                         | 24                      |
| 30                | 1200 | 88                          | 10        | 280                         | 24                      |
| 40                | 1200 | 102                         | 10        | 325                         | 26                      |
| 50                | 1200 | 105                         | 12        | 330                         | 26                      |
| 60                | 1200 | 115                         | 12        | 350                         | 27                      |
| 75                | 1200 | 130                         | 12        | 380                         | 30                      |
| 100               | 900  | 135                         | 15        | 395                         | 36                      |
| 125               | 900  | 150                         | 15        | 440                         | 38                      |
| 150               | 900  | 165                         | 15        | 485                         | 40                      |

Notes: This table gives typical performance rates as applied to operational systems and they cannot be guaranteed on a random, non-steady basis.

D = Normal operating depth in which the Z<sub>CM</sub> and Z<sub>OD</sub> hold true.

Z<sub>CM</sub> – Zone of Complete Mix (assumes conventional activated sludge mixed liquor concentrations)

Z<sub>OD</sub> = Zone of Oxygen Dispersion

Impingement = Diameter of water spray pattern

# Aqua-Jet® Applications



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# Installation Profile

MacLaren Pulp and Paper, CN



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# Installation Profile

Ferndale, WA



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# Installation Profile

International Bio-synthetics, SC



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# Installation Profile

Aqua-Jet II® - Lykens, PA



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# Aqua-Jet<sup>®</sup>

## SS-PW for THM Removal

# Aqua-Jet® Model SS-PW



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## Effective Removal of Total Trihalomethanes (TTHM)

- Certified to NSF/ANSI 61 by UL for Potable Water Applications
  - THM Stripping
  - Tank Circulation and Mixing
- Available in 1-15 HP
- Corrosion Resistant Materials
- Floating Unit Adjusts to Water Level Variations
- Multiple Units Save Energy During Low THM Production
- Lower Capital and O&M Costs Compared to Other Strategies



# Aqua-Jet® Model SS-PW

Installation: Mesa, AZ



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# Aqua-Jet® Model SS-PW

Installation: Phoenix, AZ



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# Aqua-Jet® Model SS-PW

Installation: Phoenix, AZ



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