

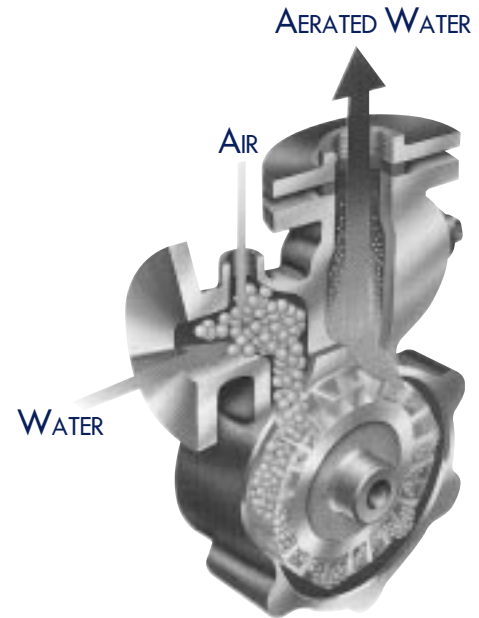
## NIKUNI - EFFICIENT, RELIABLE, DURABLE DISSOLVED AIR

### FEATURES

- ~ 20-30 MICRON BUBBLES
- ~ HIGHLY SATURATED DISSOLVED AIR
- ~ USES ATMOSPHERIC AIR
- ~ LOW HP CONSUMPTION
- ~ SINGLE STAGE PUMP DESIGN
- ~ SELF-PRIMING CAPABILITY
- ~ LOW MAINTENANCE
- ~ GLAND PACKING OR MECHANICAL SEAL

### BENEFITS

- ~ INCREASED REMOVAL EFFICIENCIES
- ~ REDUCED MAINTENANCE COST
- ~ INCREASED DAF THROUGHPUT
- ~ REDUCED ENERGY CONSUMPTION
- ~ REDUCED CHEMICAL COSTS



### DESCRIPTION

The NIKUNI Pump generates highly saturated dissolved air efficiently and reliably in clean and dirty water fed streams. The many benefits typically provide 2-9 month project justifications. The innovative design uses three types of forces to generate high pressure in a single pass. A symmetrical blade design on either side of the impeller generates three forces. A *friction force* pushes the liquid in the direction of rotation. A *centrifugal force* swings the liquid out in the crosswise direction of rotation. An *axial force* pushes the liquid to both sides of the impeller. In concert, the three forces cause a complex vortex to form which provides the air dissolving action and high pressure desired. Because there is no metal to metal contact at pressure generating point, fine slurries do not cause premature failure. The result is a constant, stable, high pressure flow in a compact design. Because of the simple limited component structure inspection and replacement of parts is easy. The pump has the ability to self-prime and operation is quiet.

World Water Works has thoroughly tested these pumps in applications where other air dissolving pumps have failed. We can provide you with guaranteed performance and reliability contracts. World Water Works has various models available in stock, ready to ship. Please call today to learn more about the new standard in Dissolved Air Microbubble Generation.



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