



Flotation units with dissolved air accelerate the separation of water and suspended solids. Compact and easy to use, they allow for the simultaneous recovery of both floating and settling particles, producing waste with a high dry matter content.

The ALPHA flotation units are designed to treat highly polluted wastewater. They are particularly suitable as a pre-treatment step for removing suspended solids, fats, oils, grease, and other floating materials from wastewater.



### BENEFITS

- Economical maintenance
- Solids recovery from surface and bottom
- Supports coagulation/flocculation additives
- Pre-treats highly polluted wastewater (grease, COD, SS, etc.)
- Self-cleaning aeration system prevents clogging
- Flow rates: up to 1.1mgd (2 - 180m<sup>3</sup>/h)

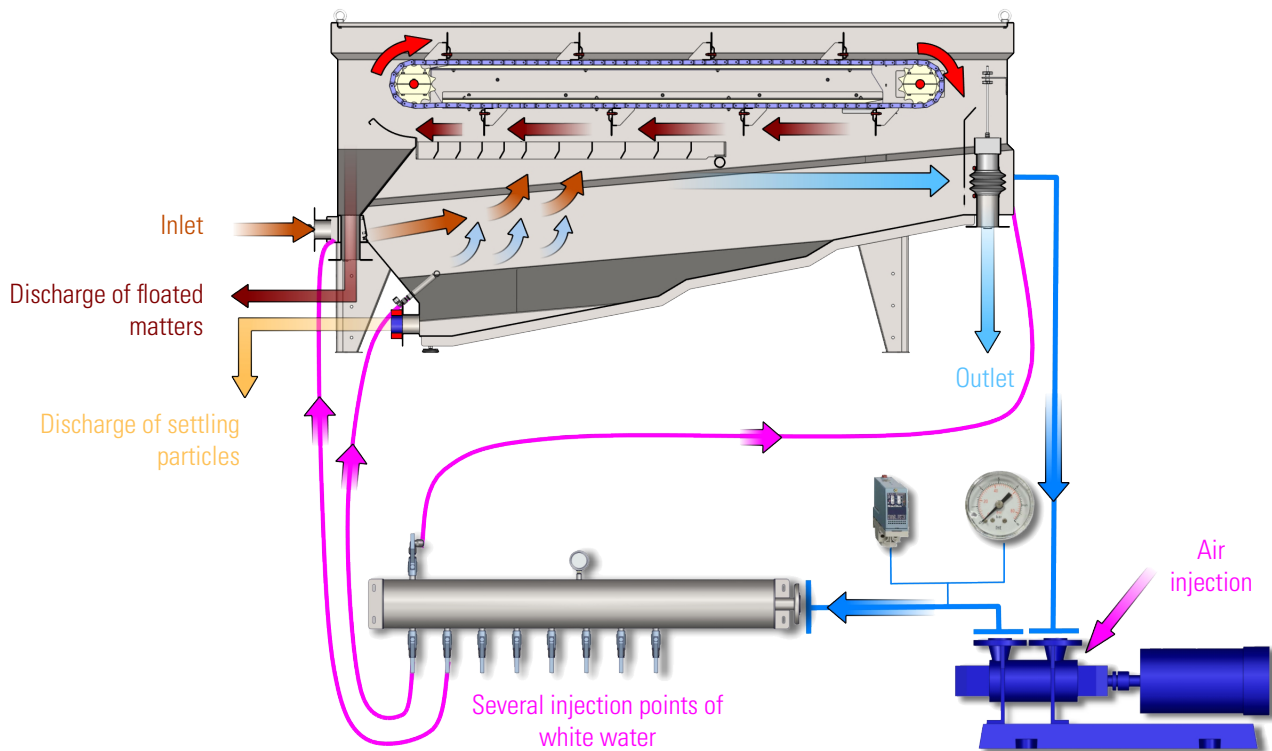




## OPERATING MODE

What makes this dissolved air flotation unit unique is its use of microbubbles to separate suspended solids and grease from water. These microbubbles are created by dissolving air in water under pressure. When this air-saturated water is mixed with raw water, very fine bubbles form, giving the water a milky appearance, commonly referred to as "white water."

The air bubbles attach to solid particles, causing them to float to the surface, where they are scraped off and directed to a discharge hopper.



## APPLICATIONS

A range of 15 flotation units designed for various types of effluent, especially the most heavily polluted, with unit flow rates up to 1.1mgd. Applications include: Food industry (dairies, slaughterhouses, fish processing, etc.), Petrochemical Industry, Paper industry, Textile industry, Municipal WTP, Sludge Thickening



Aqualitec Corp. - 3415 S,  
Sepulveda Blvd, Suite 1100,  
Los Angeles, CA 90034



Tel, 1-855-650-2214,  
info@aqualitec.com



[www.aqualitec.com](http://www.aqualitec.com)