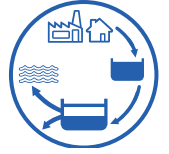




Aqualitec
Wastewater Treatment Equipment

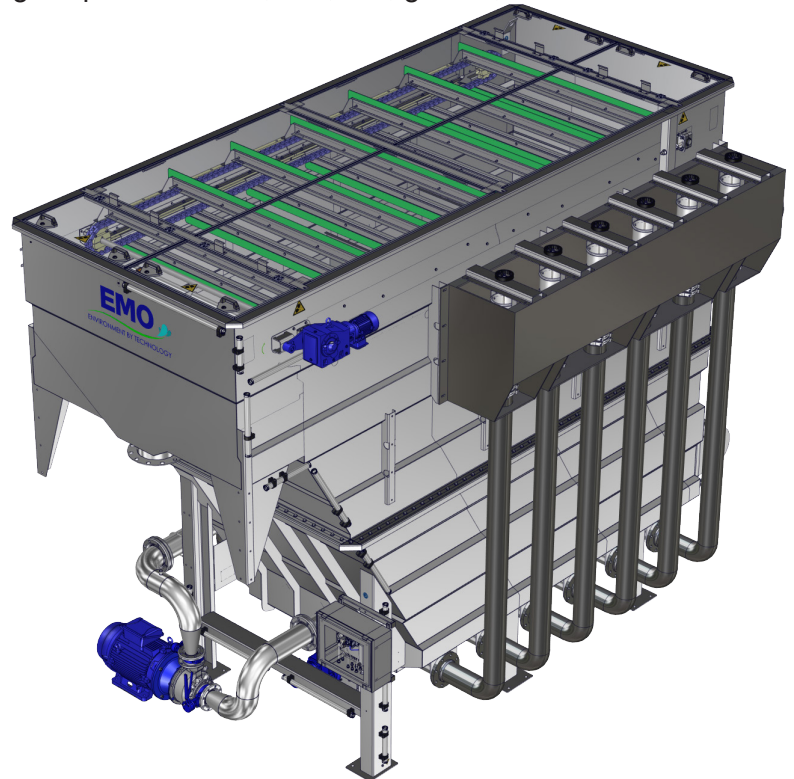
GAMMA

Flotation unit with dissolved air



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 GAMMA 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.)
- Compact equipment featuring a lamellar pack for an optimal space-to-efficiency ratio.
- Flow rates: 1.4mgd to 4.1mgd (225 to 650 m³/h)

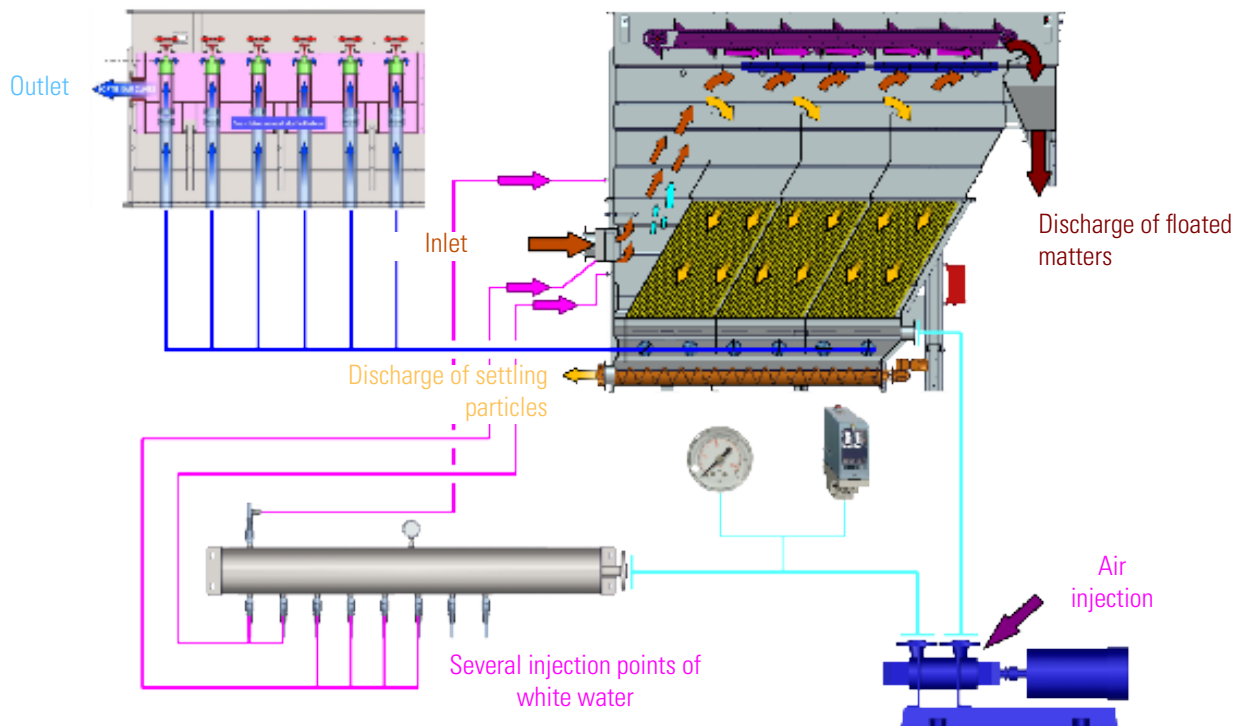




OPERATING MODE

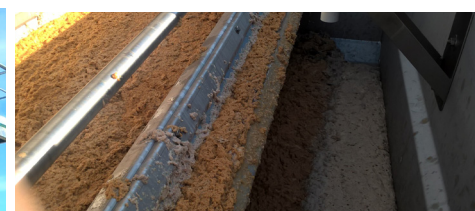
What makes this dissolved air flotation unit unique is its use of microbubbles to separate suspended solids and grease from water. These microbubbles are created by dissolving air in water under pressure. When this air-saturated water is mixed with raw water, very fine bubbles form, giving the water 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 6 flotation units adapted to any type of effluent for a unit flow rate from 1.1mgd to 4.1mgd (225 to 650m³/h): Applications include: Food industry (dairies, slaughterhouses, fish processing, etc.), Petrochemical Industry, Paper industry, Textile industry, Municipal WTP, Sludge Thickening



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