



Water treatment by dissolved air flotation

Référence : TFA/3000



Implementation of water treatment by dissolved air flotation

Clean method minimizing the use of chemical

GENERAL SPECIFICATIONS

- 100 L feeding tank.
- Centrifugal pump
- 40 L, flocculation tank, with stirrer.
- 100 L, flotation tank.
- Two recirculation pumps.
- Gas- liquid contactor.
- Water feeding circuit.
- Compressed air circuit.
- Air-to-water feeding circuit.

Instrumentation

- Water flowmeter.
- Water flowmeter.
- Air flowmeter.
- 4 manometers.

Dim : 210 x 75 x 195 cm – 250 kg
SS tubular framework 40 x 40mm

Categories: Educational Engineering Environment Water treatment

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DESCRIPTION

Dissolved air flottation

This unit allows the user to perform a water treatment by flotation tanks to dissolved air developed. It is carried out in 4 steps:

- Bubbles generated for dissolved air.
- Bubble adhesion to particles in order to form solid-air particles.
- Formation of an air/solid particle conglomerate and flotation of the formed conglomerate.
- Separation of the floating emulsion

Separation of suspended particles

Agglomeration by using air bubbles dissolved

Optimization of the process

Combination with chemical treatment (flocculation)

Feasibility study on different waters

Study of the influence to flow rate and residence time



Unités livrées avec un manuel pédagogique
et dossier technique



Possibilité d'adapter les unités à vos
besoins



Mise en service, formation des
formateurs

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