APPLICATION

IGF

OVERVIEW

This process involves Ionized Air Flotation (IAF) and Inert Gas Flotation (IGF) into wastewater creating fine air bubbles due to diffusion phenomenon. These bubbles capture oil and sludge components and rise above to separate and remove such components from the wastewater. Unlike IAF, IGF is using inactive gas, therefore, eliminates the possibility of any explosion.

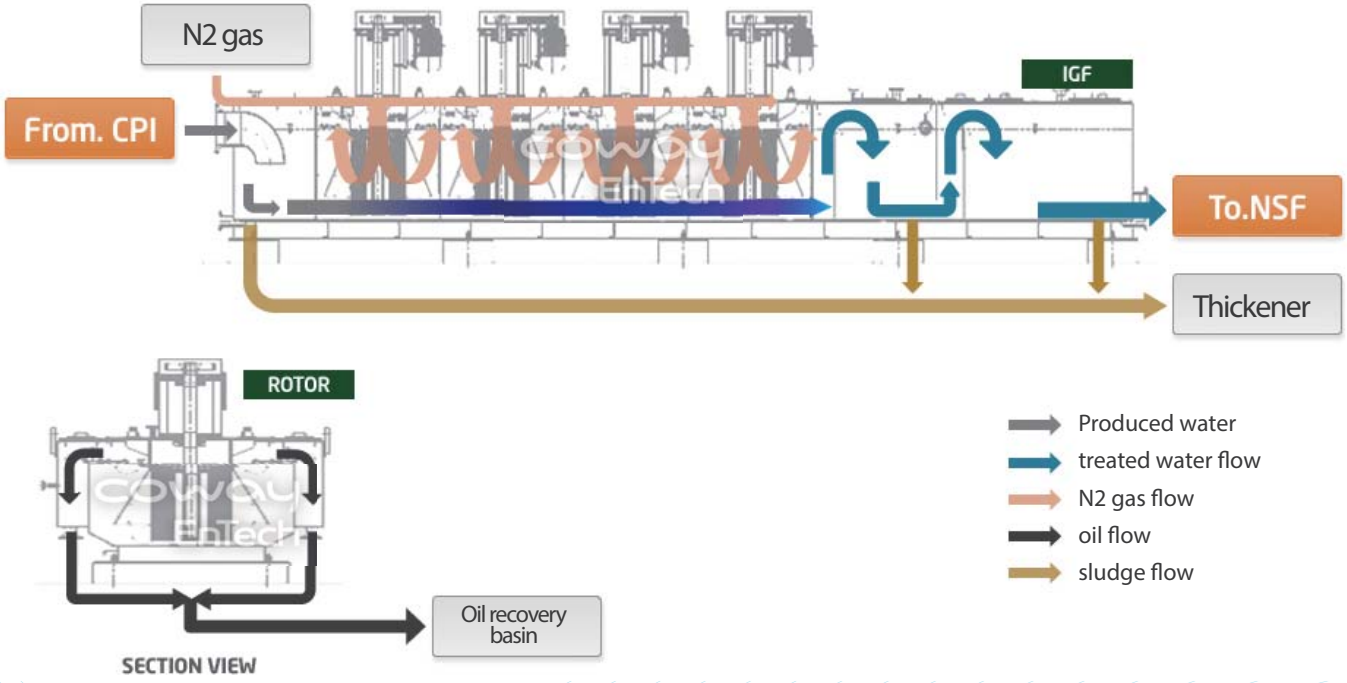
FEATURES

Hydraulic Eductor Type
- Bubbles created by circulation pumps and educator are used to adhere oil components and separate them from the wastewater.

Mechanical Induced Type
- Bubbles created from the turbulent flow of mechanical clarifier separates oil

Requirement of pre-treatment
- Size of bubbles is larger than using Dissolved Air Flotation (DAF) process, therefore, it is not possible to remove emulsion type of oil. Special chemicals to destruct emulsion is required.

PROCESS



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