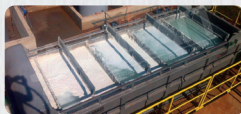
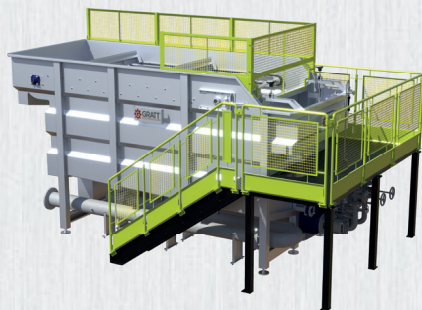


# DISSOLVED AIR FLOTATION (DAF)

The Dissolved Air Flotation (DAF) system is equipment that can be used in the treatment of domestic sewage, industrial effluents, and even water treatment.

The operating principle of this equipment is the removal of particles.



## ADVANTAGES:

- Reduction of pollutant load (BDO/COD, phosphorus, total suspended solids, oils and greases, among others) with application rates up to five times higher compared to sedimentation processes.
- Protection of biological systems (subsequent anaerobic/aerobic systems) from potential organic material overloads that could destroy the medium and consequently disrupt long-term treatment until its regeneration.
- Reduction in air consumption in subsequent aerobic processes due to the removal of organic matter.
- Solid concentration in the generated sludge of up to 6%, significantly reducing landfill disposal costs by up to ten times compared to sedimentation systems.
- Reduced installation space, resulting in lower civil construction costs.
- High degree of automation and parameter control.
- Automated chemical dosing systems for improved process control, minimizing waste and operational costs.
- Special pump for microbubble generation, eliminating the need for additional equipment such as compressors.
- Continuous operation, capable of working 24 hours a day.

