



BOD and Ammonia Removal

SUBMERGED AERATED FILTER (T-SAF)

For Wastewater Treatment

- Proven, efficient and reliable wastewater treatment process
- Easy installation due to modular design
- Air manifolds easily accessible and removable
- Removable caged media
- Minimal maintenance
- Bespoke options available



Standard individual units sizes range up to 1150PE (Population Equivalent) with greater throughputs using multiple units. The T-SAF is capable of providing a high quality of treated effluent, typically BOD₅ of 30mg/l and NH₃-N of 10mg/l.

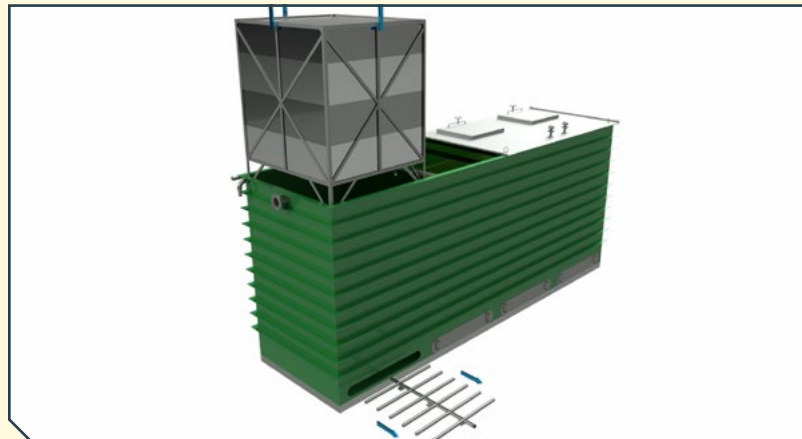
The T-SAF offers an effective and proven treatment process in a pre-assembled packaged plant. It is capable of connecting to existing site assets or to be installed with one or more of Trant's other wastewater treatment modules, dependant on the particular application. Fixed treatment media is contained within steel cages, removable through the top of the tank, without draining the treatment unit. Air diffusers meanwhile are capable of being removed through dedicated hatches whilst

leaving the media in place. The unit is fully automated, requiring infrequent removal of any sludge accumulation.

This product can be used in a variety of applications. Please contact Trant for full details on bespoke wastewater treatment solutions and product applications.

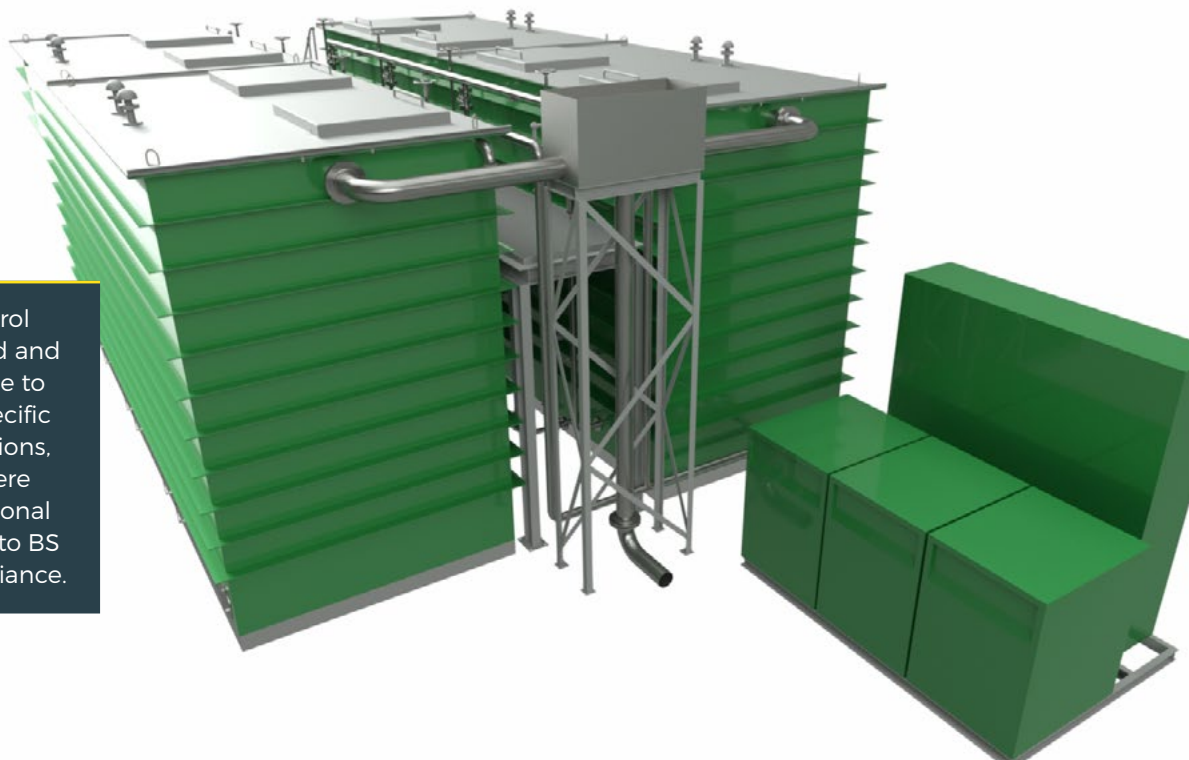


The T-SAF wastewater treatment plant uses blown air to aerobically treat wastewater to a high standard. Requiring only a small footprint compared to trickling filters and similar technologies. The T-SAF requires minimal site works prior to commissioning. A process seeding period of approximately 4 weeks is needed before full treatment is achieved and then the system is essentially autonomous, only requiring general maintenance and sludge removal around every 3 months. The system has been designed with simplicity and ease of maintenance in mind to minimise OPEX and provide the most cost effective option.



The T-SAF works by passing screened wastewater through a series of specially designed treatment zones filled with proprietary plastic media. Beneficial microbes adhere to the media during the process seeding phase and then combine with the advanced hydraulic design of the T-SAF

to treat the wastewater to a high standard. T-SAF is available in a wide range of sizes and comes with a range of bolt-on treatment stages. Manufactured and installed by Trant Engineering, the T-SAF represents a cost-effective, high quality option for your wastewater treatment needs.



Form 2 or Form 4 control panels are all designed and manufactured in house to conform to client's specific and general specifications, and incorporating where applicable all International Standards in addition to BS EN 61439-2:2011 compliance.

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