



te-saf™

Biological Wastewater Treatment

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

The te-saf™ offers an effective and proven treatment process in a pre-assembled modular plant. It is capable of connecting to existing site assets or to be installed with one or more of Te-Tech'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 Te-Tech for full details on bespoke wastewater treatment solutions and product applications.

- 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

te-saf™ Design

The te-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 te-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.



Dedicated hatch for air diffuser maintenance



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

The te-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 te-saf™ to treat the wastewater to a high standard. te-saf™ is available in a wide range of sizes and comes with a range of bolt-on treatment stages. Manufactured and installed by Te-Tech Process Solutions, the te-saf™ represents a cost-effective, high quality option for your wastewater treatment needs.

Contact Us



Ashton Dewey

Chief Operating Officer

ashton.dewey@te-tech.co.uk

T: +44 (0) 23 8235 1600

Mike Froom

Business Development Director

mike.froom@te-tech.co.uk

T: +44 (0) 23 8235 1600

2 Contech House
Unit 2 Chapel Lane
Rushington Business Park,
Southampton, SO40 9AH

T: +44 (0) 23 8235 1600

E: enquiries@te-tech.co.uk

www.te-tech.co.uk