

TBTM

Transportable Biological Treatment Module Information Pack

Innovating Wastewater Solutions



short or long term	no structural work required	simple installation
low maintenance	reliable	low operating costs
temporary wastewater solution	up to 1000 pe	

N-SAFs / Transportable Biological Treatment Modules

	TBTM5	TBTM10	TBTM15	TBTM20	TBTM30	TBTM100
Average Daily Flow (m ³)	10	20	30	40	60	200
Maximum BOD (kg)	3	6	9	12	18	60
Diameter (m)	1.74	2.30	2.60	2.90	3.20	10 x 3**
Height (m)	2.50	2.50	2.50	2.50	3.00	3.00
Dry Weight (kg)	650	700	1000	1100	1400	12000
Media Volume (m ³)	2.50	5.00	7.50	10.00	15.00	50.00
Voltage*	240/1/50	240/1/50	240/1/50	415/3/50	415/3/50	415/3/50
Blower Motor Rating (kw)	0.55	0.75	1.10	3.00	3.00	4.00
Blower Motor Full Load (amps)	5.10	6.30	6.40	6.60	9.20	11.00

* Single and three phase blowers are available.

** Rectangular unit. N-SAF - nitrifying submersed aerated filters



Temporary treatment plant

WPL provide a range of transportable treatment plants for either additional biological treatment or temporary replacement when refurbishing existing sewage treatment works.

Available in six sizes and up to 1000 pe, WPL's temporary treatment range is the preferred solution of the UK's major water utilities including United Utilities, Southern Water and Yorkshire Water.

Specifications

- Duty or duty/standby blower arrangement available.
- Form 1 panel supplied as standard on hire units, but upgraded panel specification available on request.
- Range of standard modules providing Biological Oxygen Demand (BOD) removal & nitrification
- GRP or steel fabricated units
- Minimum hire period - 12 weeks

Benefits

- Cost effective solutions for the short and long term.
- Free standing; no structural work required
- Easy Installation - units simply require a level surface.
- Minimal maintenance - no internal moving parts.
- Consistent process reliability meeting discharge consents.
- Low operating costs

Each unit comprises of:

- Biozone with inlet and outlet connection
- Valved drain connection
- Kiosk housing;
 - Air blower
 - Direct online starter
- 10m of air hose

Additional airhose and a stand-by blower are available on request.

For advice or further information, please contact a member of WPL.

WPL is recognised internationally as a principle designer and manufacturer of high quality package and turnkey sewage treatment systems, and grease management solutions.

It has over 14 years' industry experience and services an extensive customer portfolio comprising the UK's major water utilities, all areas of the commercial sector and the domestic market place.

The company's consistent focus on ecology, coupled with extensive research & development into new technology, have enabled it to far exceed all existing and proposed discharge consent standards enforced by the Environment Agency, SEPA and other regulatory authorities.



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