



**Percolation  
Supplies**

# TER 3



**PACKAGED TERTIARY  
Treatment Systems**

Supplied By: Percolation Supplies Ltd

Sales /Service 086 2600438

053/9138950 Email wquaid@gmail.com

web.www.percolationsupplies.ie

**Description:**

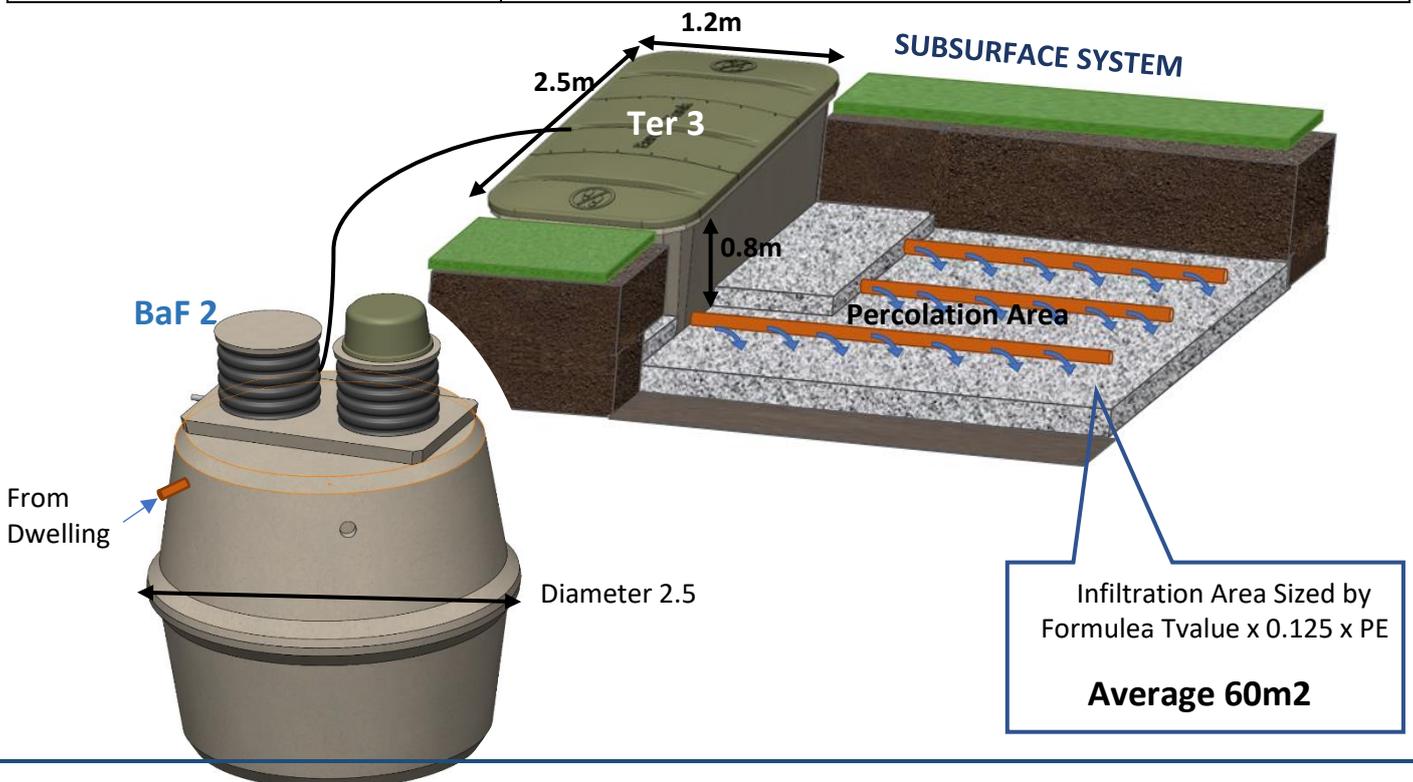
Eurotank TER3, is a CONCRETE Packaged Tertiary Treatment System which further treats effluent from a secondary treatment system Eurotank BAF. It is an allowed form of Tertiary Treatment, *under Option section 10.3 EpA Code of Practice* ideal for most sites including difficult sites, with high vulnerability, Nutrient or Pathogen Sensitive area's and especially suited to small sites due to its small footprint.

Raw sewage enters the secondary unit by gravity from the house and is treated, effluent then leaves this unit and is pumped via a network of piping over the surface of the TER3, it then trickles down through the various layers receiving Biological treatment before final discharge to the ground. The unit is connected to a network of perforated pipes and sits on a layer of distribution gravel as a slightly raised small bed or finished at ground level, depending on the results of the percolation test.

**Eurotank TER3 is a Cost effective, Efficient method of complete on-site wastewater treatment and disposal**

**SPECIFICATION**

Population Equivalent PE	6 to 50 with configurations for 6, 9, 12, 18, 24, 36, 43, 50.		
Certification	By PIA GMBH Under EN12566/7 To Irish NSAI SR66 Standard		
Effluent Quality as per PIA Test	Bod	2mg/l	Ecoli and Total Coliform Removal <99%
	Suspended Solids	4mg/l	Far Exceeding Irish Min Standards
	NH4N	0.3mg/l	
	Phosphates	< 6mg/l	
Concrete	45n reinforced		



## Certification

as listed on <https://www.pia-gmbh.com/en/component/jdownloads/send/9-packaged-treatment-plants/245-tpw-systems-eurotank-baf2-ter3-pdf> -- For Irish Use



# TREATMENT PERFORMANCE RESULTS

**TPW Systems Ltd**

Ballyheige, Screen, Co. Wexford, Ireland

**EN 12566-3**

Results corresponding to EN 12566-3 and S.R. 66

PIA2020-SR66-2007-1024

**EUROTANK BAF2 + TER3 (range with 7 models)**

Biological aerated filter + packaged tertiary treatment mod

Nominal organic daily load	0.29 kg/d		
Nominal hydraulic daily load	0.9 m <sup>3</sup> /d		
Material	Concrete		
Watertightness	Pass		
Structural behaviour (Crushing resistance)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)			
	Efficiency	Effluent	
	COD	96.6 %	28 mg/l
	BOD <sub>5</sub>	99.3 %	2 mg/l
	NH <sub>4</sub> -N	99.3 %	0.3 mg/l
	SS	98.8 %	4 mg/l
Number of desludging	Not more than once		
Electrical consumption	1.16 kWh/d		

Performance tested by:

**PIA – Prüfinstitut für Abwassertechnik GmbH**

(PIA GmbH)

Hergenthaler Weg 30

52074 Aachen, Germany

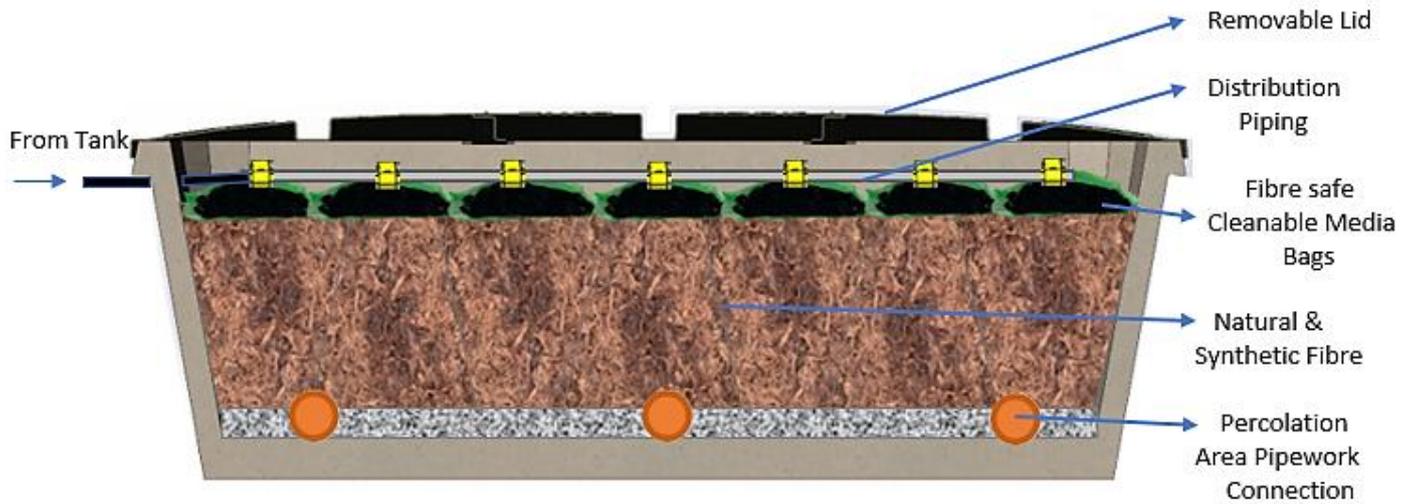
This document replaces neither the declaration of performance nor the CE marking.

Notified Body  
No.: 1739

Certified according to  
ISO 9001:2015

PIA - Sustainable Certification  
J. Verschitz  
M. Wermter  
geprüft - tested - testé

Verschitz / Wermter July 2020



### **Key Features**

- High Effluent Quality, with superior reduction in BoD, CoD, Suspended solids, Nutrients, and Pathogens. (Best on the Irish Market!)
- Suitable for many sites including small restricted existing sites.
- Concrete unit.
- Fibre safe pre-clean system, in cleanable bags that can be shaken or washed.
- Very easy to maintain.
- Includes percolation pipe connections.

### **Operation principles**

-Secondary treated water from the tank is pumped and distributed via a pipe network with orificing shielding.

Water is distributed evenly over the Fibre safe Bags which remove any residual solids and in particular greases which ensure long life use of the natural and synthetic mix fibre Media. The waters then trickle through the fibre to receive final treatment and polishing before Entering the percolation pipework over a bed of stone for distribution and final discharge to underlying soils.

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