

## EN 12566-3 PIA Certificate



### PERFORMANCE RESULTS

Biofriendly Ltd.  
Loughlyn, Castlereagh, Co. Roscommon, Ireland

EN 12566-3

Results corresponding to the Irish National Annex for IS EN 12566-3

Small wastewater treatment system PS 8  
Fluidised bed process

Nominal organic daily load†	0.50 kg/d	
Nominal hydraulic daily load	0.50 m³/d	
Material	Glass reinforced plastic (GRP)	
Weight/area (water test)	pass (also wet conditions)	
Cracking resistance (vertical load test)	pass	
Durability	pass	
Treatment efficiency (nominal sequence)		Effluent
	Efficiency	Effluent
COD	91.8 %	87 mg/l
BOD <sub>5</sub>	95.4 %	18 mg/l
Mn-PP**	98.2 %	17 mg/l
TSS	94.4 %	21 mg/l
Electrical consumption	1.6 kWh/d	
† at inlet effluent at 20°C and 200 mg COD/l		
** determined for temperature > 7°C in the laboratory		

Performance tested by:  
PIA – Prüfinstitut für Abwassertechnik GmbH  
(PIA GmbH)  
Hergenerather Weg 30  
D-52074 Aachen

Certified according to  
ISO 9001:2008

Notified Body number: 1729

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



# Bio-Friendly Limited

PE6 Sewage Systems

FOR A CLEANER ENVIRONMENT FOR US ALL

## For More Information:

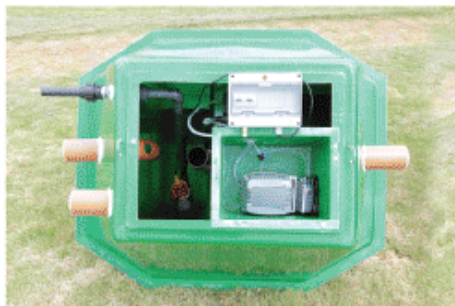
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# Bio-Friendly Limited



PE6 Sewage Systems

FOR A CLEANER ENVIRONMENT FOR US ALL

**EN Certified 12566-3**  
for new houses and for  
upgrading existing systems

FULLY GUARANTEED  
ANNUAL SERVICING OFFERED  
DELIVERY NATIONWIDE



BIO-FRIENDLY Sewage Systems

For a Cleaner Environment

For New Houses - Upgrade existing Septic Tanks

086 6097200

100% Satisfaction Guaranteed

AGRIBUSINESS AWARDS  
2015 FINALISTS

## New Builds

The system combines the reliability and low maintenance of the traditional septic tank along with the efficiency of a modern biological treatment system.

### How it works

For new houses where there is gravity flow there are two tanks required the first or primary settlement tank initially treats all domestic waste.

Further treatment then takes place in the second tank with the use of specially designed media and compressed air to encourage natural bacteria to grow.

The system requires a power supply in order to provide the compressed air to the system. The fully treated effluent is discharged into a percolation area.



## Upgrading Existing Systems

The system is fully certified as a stand-alone unit for use in conjunction with traditional septic tanks. Where the old existing tank is structurally sound and functioning efficiently, the Bio-Friendly unit can be incorporated, either with or without a pump depending on gravity or planning requirements.

The P6 can be installed with a larger capacity septic tank. You can be assured this type of installation will guarantee the end user trouble free operation and the ultimate in reliability and performance. This is an important consideration these days since larger houses have become more commonplace. To be sure that the system is operating at the maximum efficiency Bio-Friendly offers a fully comprehensive service plan for the P6 system.



**FJ Coyle & Associates**  
Environmental Engineers

- Site Tests
- Eng. Certification
- Percolation Areas
- Soil Filters
- Upgrade Works
- Well Testing

Contact Fergal:

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