



ENsign: Low Profile 6PE, 10PE & 12PE

Very Low Ammonia EN12566-3:2005+A1 2009

(12:19:09 Final Tested Standard)



HEAVY DUTY PLANT
30% Less Excavation

Site Safe Shallow Excavation

Ideal for wet
high water table
areas and hard
rock conditions

Marsh Low Profile 6PE, 10PE & 12PE ex-stock

- Tested to EN12566:3-2005+A1:2009
- Only 1.6m deep over 30% shallower low cost installation
- Can discharge direct to a ditch, watercourse or river.
- Tuff Tank Profile manufactured from 100% pure resin to withstand greater hydrostatic pressure.
- Our design reduces both cost, time, and the risk of trench collapse.
- Can be adapted to be installed in a vehicle drive way.
- Manufactured in the UK, the plant is odourless and operates almost silently and is backed with a 25 year structural guarantee.
- Internal recycling system means the plant is ideal for intermittent use.
- Designed for all year round installation whatever the weather and ground conditions.
- Pumped outlets and invert risers are available.
- Optional internal tertiary filter available.

Dimensions:

1.6 m Depth x 1.9m Diameter x 2.9m Length.

*When the weather turns against you..
..its time to turn to Marsh*



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Shallow 1600mm Deep Sewage Treatment Plants

6PE, 10PE and 12PE CE Marked & Tested to EN12566-3:2005+A1:2009



ENsign Range

Hydraulic daily load:	1.2m ³ /day-10m ³ /day
Material:	Virgin Resin & Glass
Watertightness (water test):	Pass
Crushing resistance:	Pass
Treatment efficiency:	Pass
BOD:	Pass
TSS:	Pass
NH4:	Pass

Tested to
BSEN12566-3:2005 + A1:2009 TUV Sud



Warranty & Guarantee

- The minimum design life of the tank structure is twenty five years. (internally & externally)
- The compressor blower is covered by a two year guarantee.
- The diffuser is covered by a five year guarantee.
- Engineered using high performance materials.
- All metal components stainless steel.

MARSH INDUSTRIES - TECHNICAL SPECIFICATION

The plants are designed for the ever changing UK weather conditions, the low 1.6m total depth profile, means the plants are around 30% shallower than most UK sewage plants. Not only is the new range of sewage plant tested to the latest UK & European standard EN12566-3:2005+A1:2009 for sewage treatment process but also passed durability, structural integrity (impact and crushing) and water-tightness tests.

The heavy duty low profile sewage plants are manufactured using virgin unfilled resin systems. The advantages of this include a superior structural strength when compared to filled resin products. It therefore gives enhanced customer confidence in both product quality and durability. Additionally this enables the tanks to be significantly lighter which greatly assists with on-site handling and positioning in the installation process. The tanks have a warranty for 25 years* with an expected design life of 50 years* All tanks are Gel-coated & Flo-coated as standard practice and manufactured in Kettering to BS4994.

The plants offer the contractor the ability to work in extreme conditions, whilst not compromising Health & Safety and saving cost and time on the installation. The unit comes with 500m standard inverts, pumped outlets and shallower or deeper inverts are available.

Length of Plant	2602mm
Diameter (max. width)	1912mm
Height	1600mm
Inlet Invert Depth	500mm
Outlet Invert Depth	575mm
Base to Inlet Invert	1100mm
Base to Outlet Invert	1025mm
Inlet/Outlet Connection Pipe.....	110mm
Cover Size	600mm
Separate De-sludge Cover & Chamber (To prevent sewage entering the plant) ..	300mm
Compressor	External
Pumped Outlet Available 32mm with NRV	Yes
Tested Effluent Quality.....	12:19:09
Weight 12PE	SWL 360kg
Compressor dependent on plant size	60w/80w/100w

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UNITED MERCHANTS PLC
BRITISH WATER

