

Vortex is an advanced Activated Sludge Process (ASP) sewage treatment plant.



Vortex is designed to receive wastewater (sewage) and process it so that only a clear effluent is discharged into the environment.

Vortex is our best “all rounder”, offering excellent performance in a low cost tank.

It has been fully tested and certified to EN 12566-3.



ADVANTAGES

- ✓ Simple and reliable operation
- ✓ Ultra compact tank – smallest on UK market
- ✓ Easy and low cost installation
- ✓ Excellent build quality
- ✓ No odour
- ✓ Low noise
- ✓ Low electricity demand
- ✓ Adjustable treatment process
- ✓ Excellent effluent quality
- ✓ CE marked
- ✓ EN 12566-3 certified
- ✓ Excellent value for money



Unique Features of the VORTEX Sewage Treatment System;

- Extremely clean effluent - **up to 98.9% pollutant reduction**. Also OK for Northern Ireland with 98.2% BOD reduction.
- Fully adjustable to suit the number of people using it.
- The lowest electricity consumption of any electric plant - from only £25/year.
- Much lower maintenance costs than Non-Electric Treatment systems.
- Odourless - complete aerobic digestion throughout the sewage treatment plant.
- One piece tank construction - not sectional - no leaking seals.
- Very small size enables economic installation in tight spaces.
- The VORTEX has a unique debris screen - The Vibro-Screen™ keeps tampons, wipes, etc. out of the plant but lets organic solids through.
- The VORTEX recycles its own waste products resulting in less sludge to remove.
- No Primary Settlement Tank - No Primary Tank Odour.
- **No need to buy a separate sampling chamber - there is a unique sampling point within the tank. This saves you another £300.**
- Simple and cheap maintenance - one piece construction ensures no structural weakness..
- Top Quality linear motor compressor - these compressors are much more expensive than cheaper diaphragm compressors used by other manufacturers, but they are almost silent, use very little electricity and CAN be repaired.
- Cheap, easy installation. **No Concrete needed for dry sites**
- **10 year tank warranty**- no metalwork to corrode inside or outside the tank.
- Can accept sewage pumped into it if required.
- **Versatile inlet depths** - Vortex sewage treatment plants can be supplied for **200mm, 550mm or 950mm inlet invert levels**.
- Can be manufactured with the inlet and outlet on the same side at no extra cost for difficult sites.
- EN 12566-3 2005 Test Report available on request.
- **Unbeatable ammonia reduction - incredibly down to 0.4mg/L**. Very important for sensitive watercourses.

Approved by the Environment Agency and on the British Water Certified List of approved wastewater treatment plants. (<https://www.britishwater.co.uk/page/Accreditation-Certificationcertified-small-wastewater-treatment-systems-for-up-to-50-pt>)

Installation

The compact design and robust construction make installation as simple, quick and low cost as possible.

It is suitable for high groundwater sites and when installed on dry sites, there is no requirement for a concrete backfill.

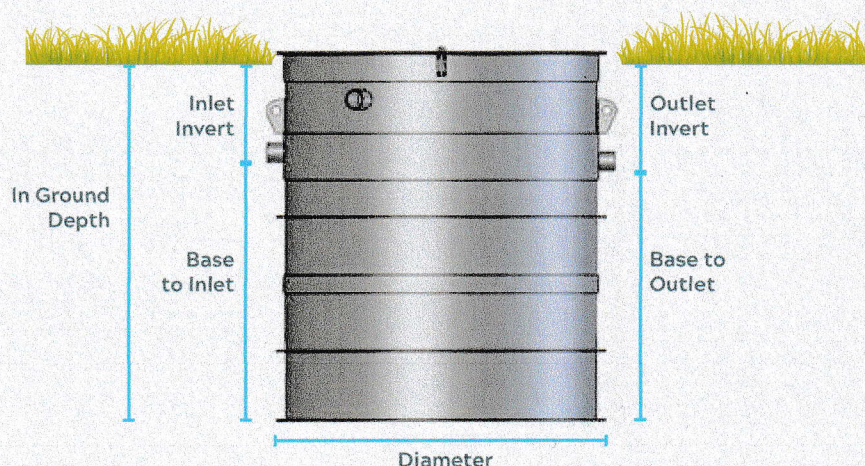
Vortex is capable of being installed above ground if required.

Shallow and deep inlet inverts are available for most tanks in the range to cater for a range of foul drain depths.

Please contact our office if you would like the details of your nearest approved installer.

Technical Details

Model	PE	Diameter (mm)	In Ground Depth (mm)	Base to Inlet (mm)	Base to Outlet (mm)	Inlet Invert* (mm)	Outlet Invert* (mm)	Power (w)
Vortex 4	4	1,121	2,000	1,450	1,400	550	600	40
Vortex 6	6	1,341	2,000	1,450	1,400	550	600	40
Vortex 9	9	1,616	2,000	1,450	1,400	550	600	75
Vortex 12	12	1,850	2,000	1,450	1,400	550	600	95
Vortex 16	16	1,870	2,650	1,900	1,850	750	800	115
Vortex 21	21	1,870	2,650	1,900	1,850	750	800	180
Vortex 30	30	2,195	2,650	1,900	1,850	750	800	230



*Alternative inverts available. Please contact for details.