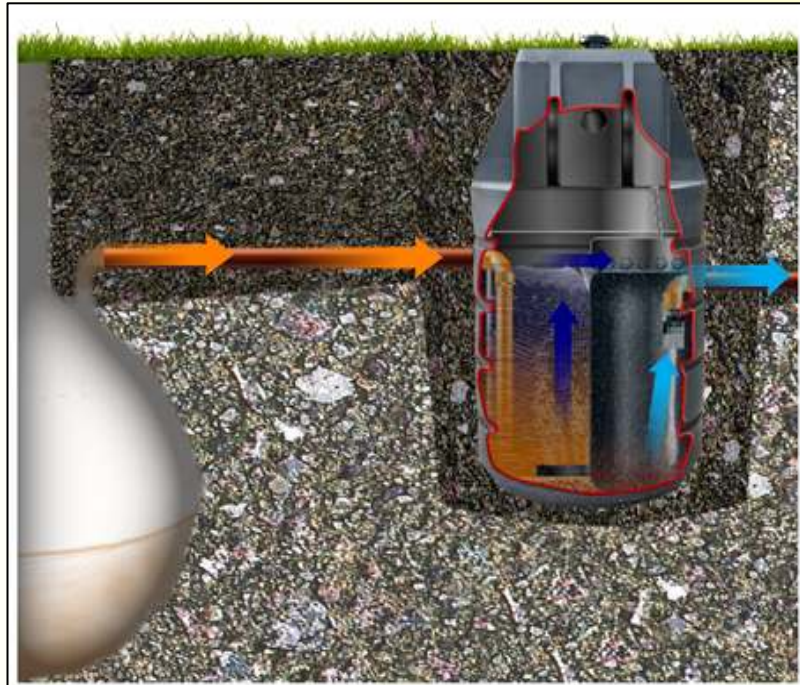


JEWEL Septic Tank Upgrade System

The JEWEL is designed to convert a Septic Tank into a full sewage treatment unit producing a 20:30:20 (BOD:SS:NH₄-N) effluent standard. The JEWEL can also be fitted after a sewage treatment unit that is failing to meet its required consent to discharge standard.

The JEWEL can be installed as a complete sewage treatment unit by the addition of a settlement tank, (usually a septic tank) prior to it.. It is capable of treating effluent to the standard required for direct discharge to a watercourse however the Environment Agency or SEPA must be consulted and a Consent to Discharge obtained.

The Tank is high quality 8mm GRP manufactured in UK.



JEWEL 6
following a
Klargester /
Titan / Entec
Septic Tank

	PE	No. of Tanks	Height	Diameter	Inlet Invert	Outlet Invert	Air Compressor Kw
JEWEL 6	6	1	2200mm	1200mm	1005mm	1080mm	0.06
JEWEL 12	12	1	2200mm	1200mm	1005mm	1080mm	0.08
JEWEL 20	20	1	2200mm	1650mm	700mm	775mm	0.12
JEWEL 25	25	1	2200mm	1650mm	700mm	775mm	0.15
JEWEL 35	35	1	2200mm	1650mm	700mm	775mm	0.2
JEWEL 50	50	2	2200mm	1650mm	700mm	775mm	0.25
JEWEL 70	70	3	2200mm	1650mm	700mm	775mm	0.4

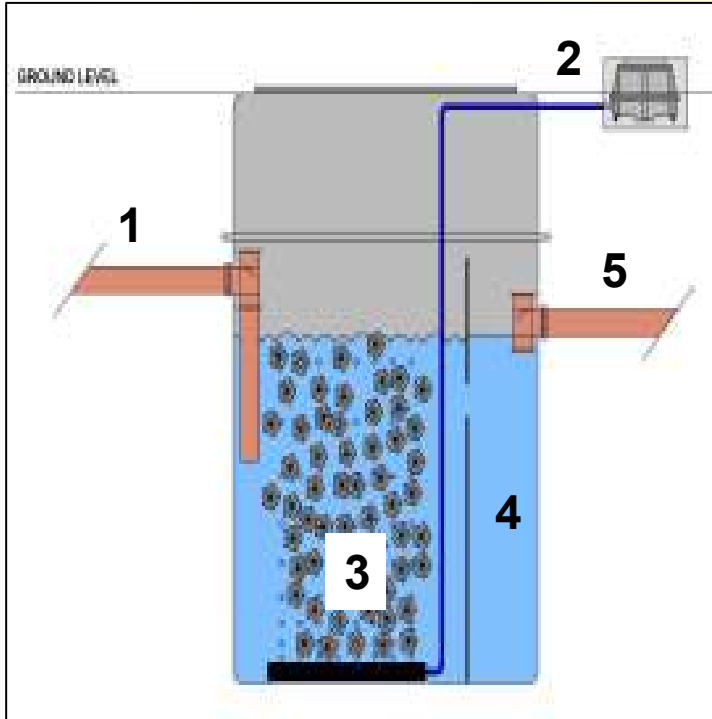


JEWEL Septic Tank Upgrade System

www.wte-ltd.co.uk

01757 288022 / 01757 289423

WTE Ltd



Treatment Process

- Effluent from the Septic Tank enters the aeration chamber (1).
- Air is blown into the JEWEL from the external air compressor to provide oxygen for the bacteria (2).
- Aerobic bacteria colonise the plastic media in the aeration chamber and digest the effluent from the Septic Tank (3).
- Treated effluent passes through into the settlement chamber where remaining solid particles settle to the bottom (4).
- Clean, treated effluent rises to the top of the settlement chamber and is discharged from the outlet (5).

Benefits

Manufactured from GRP.

No restrictions on items flushed down the toilet. The Septic Tank intercepts all tampons, panty liners, make-up remover pads, cotton buds, nappy liners, etc. which cause problems in many Sewage Treatment Units. This makes the JEWEL very useful for holiday lets and rental properties.

Extremely low running costs - only 60 watts, the equivalent of a very small light bulb (JEWEL 6).

No internal electrical or mechanical moving parts to breakdown or maintain.

Low maintenance costs.

Small footprint - one small lid flush with the ground.

Easy to install.

Optional inlet and outlet dimensions.

Very high quality final effluent.

The JEWEL can be supplied with a pumped outlet.

