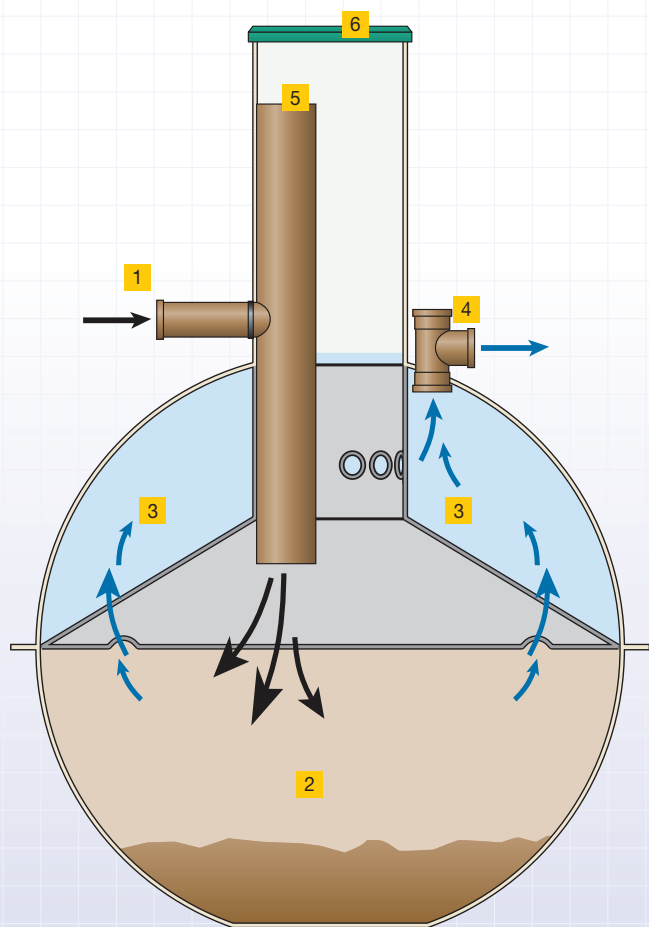


SEPTIC TANKS >

FOR BASIC TREATMENT TO OFF-MAINS WASTEWATER

Normally the simplest and most economical means of treating wastewater from small developments, a septic tank is a two or three chamber system which holds sewage to allow solids to settle into sludge at the bottom of the tank. Here it is naturally broken down, by a process known as anaerobic digestion, which provides settlement and some biological treatment but the effluent is not fully treated and must receive additional treatment before discharge to the water environment – the most common method being to spread the effluent to land via an underground drainage field.

- > For domestic dwellings the capacity of a septic tank should be a minimum of 2700ltrs for up to 4 users, with the size increased by 150ltrs for each additional user
- > Sewage treatment is an ongoing process. For the micro-organisms to stay healthy the system should be desludged regularly to prevent the build-up of sludge and to allow sewage to flow freely through the unit

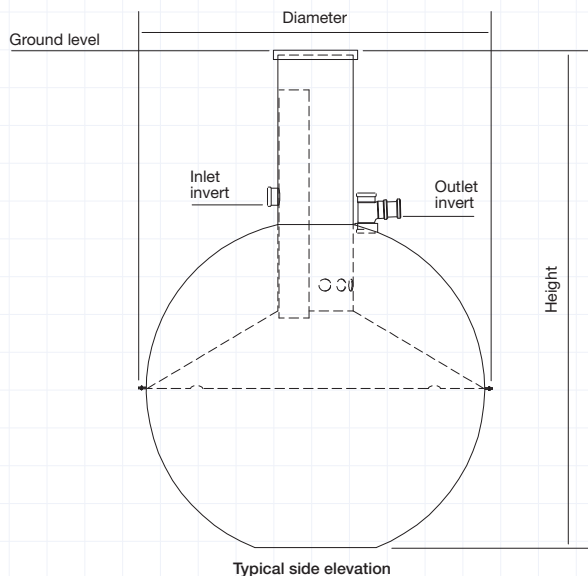


SEPTIC TANK BENEFITS

- > Tested to BSEN12566:1 and CE-marked to ensure compliance with latest environmental and Building Regulations requirements
- > Traditional 'onion-style' tanks for standard installations
- > Low profile versions for high water table or hard rock site conditions
- > Heavy duty shell as standard to enable installation in all ground conditions
- > Integral lifting eyes for improved on-site handling
- > Unique 'keying-in' lip to assist anchoring into granular or concrete surround
- > Pedestrian cover and frame included as standard
- > Additional 'Green Filter' range incorporating patented Polylok filter on outlet to reduce suspended solids, improving effluent quality and prolonging drainage field life

KEY

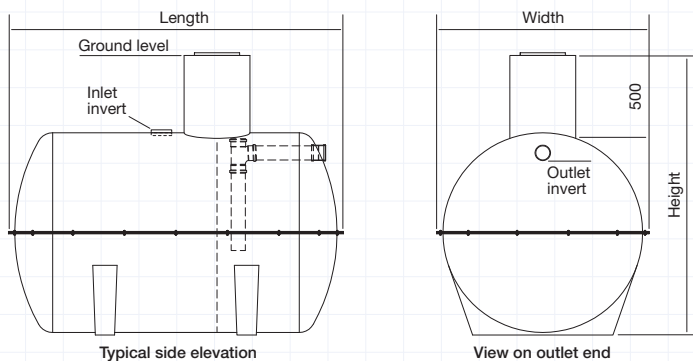
- 1 Inlet
- 2 Primary settlement chamber
- 3 Secondary chamber
- 4 Outlet
- 5 Desludge port
- 6 Access cover



STANDARD SEPTIC TANK SPECIFICATIONS

Size	Dia	Height	Inlet		Outlet	
			Invert	Ø	Invert	Ø
2800L	1870	2780	1000	110	1075	110
3800L	2075	3000	1000	110	1075	110
4500L	2196	3100	1000	110	1075	110

All dimensions in mm



HORIZONTAL SEPTIC TANK SPECIFICATIONS

Size	Length	Width	Height	Inlet		Outlet	
				Invert	Ø	Invert	Ø
2800L	3000	1250	1750	500	110	800	110
3800L	4000	1250	1750	500	110	800	110
4500L	2650	1600	2100	500	110	800	110
6000L	2950	1900	2400	500	160	800	160
8000L	3640	1900	2400	500	160	800	160
10000L	4200	1900	2400	500	160	800	160
12000L	5200	1900	2400	500	160	800	160
14000L	5840	1900	2400	500	160	800	160
16000L	6700	1900	2400	500	160	800	160
18000L	7500	1900	2400	500	160	800	160
20000L	8100	1900	2400	500	160	800	160

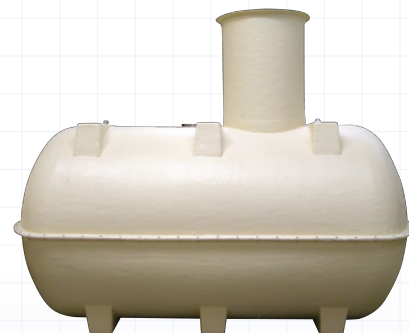
All dimensions in mm

CESSPOOLS >

FOR BASIC STORAGE AND DISPOSAL OF OFF-MAINS WASTEWATER

A cesspool is a covered, watertight tank used for storing sewage. It has no outlet and relies on road transport for the removal of raw sewage. No treatment is involved.

- > For domestic applications cesspools should have a capacity below the level of the invert of at least 18,000lts for two users, and should be increased by 6800lts for each additional user. Cesspools for commercial premises have no such restrictions
- > Installation of a high level alarm is recommended to indicate when it is nearly full
- > Whoever empties your cesspool (or septic/PSTP) should be a registered Waste Carrier and hold a current discharge licence from the local water authority
- > Use of cesspool is not permitted in Scotland



CESSPOOL SPECIFICATIONS

Model	Length	Width	Height	Inlet	
				Invert	Ø
AT2800	3000	1250	1750	500	110
AT3800	4000	1250	1750	500	110
AT4500	2650	1600	2100	500	110
AT6000	2950	1900	2400	500	160
AT8000	3640	1900	2400	500	160
AT10000	4200	1900	2400	500	160
AT12000	5200	1900	2400	500	160
AT14000	5840	1900	2400	500	160
AT16000	6700	1900	2400	500	160
AT18000	7500	1900	2400	500	160
AT20000	8100	1900	2400	500	160

All dimensions in mm

Bates Environmental >

58 - 64 Station Street, Donington
Spalding, Lincolnshire, PE11 4UJ
enquiries@bates-environmental.co.uk
www.bates-environmental.co.uk
0800 043 37 11

