
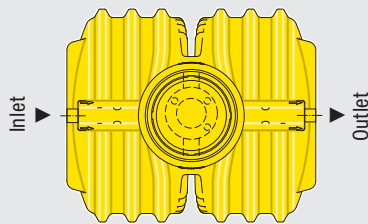


InnoClean PLUS wastewater treatment systems for underground installation

Single tank system

Products

Illustration / Article description	Population equivalent *	Total capacity of the system (liters)	Weight in kg (approx.)	Installation version		
				1	2	3
	PE 4	4800 l	530	97 804	97 804A	97 804B
	PE 6	4800 l	530	97 806	97 806A	97 806B
	PE 8	7600 l	700	97 808	97 808A	97 808B
	PE 10	7600 l	700	97 810	97 810A	97 810B



GW = max. ground water level (Dmin 700 mm)
 DEC = depth of earth coverage
 h_{empty} = height of cable piping

InnoClean PLUS Fully biological wastewater treatment system according to EN 12566 manufactured from polyethylene

Single body (monolythic) tank, for underground installation. Installation depth D = mm. Chamber with gasketed inlet / outlet openings for connection of Ø 160 mm PVC inlet and outlet piping according to EN 1401-1 or for Ø 160 mm PE-HD inlet and outlet piping according to EN 12666-1. For installation in high groundwater areas, maximum groundwater level GW = 1840 mm. With integrated, pre-installed cleaning system. All ventilation hoses and clamps for connection of *InnoClean PLUS* tank to control unit / compressor are included with system.

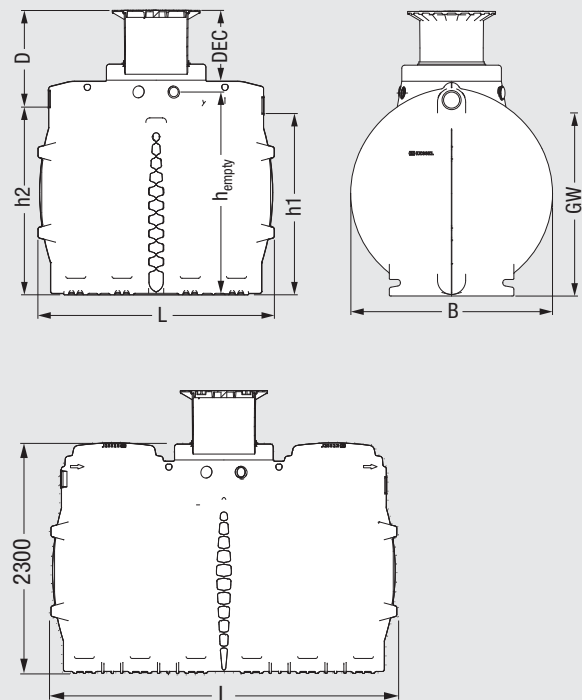
With control unit and low maintenance compressor (230 V 50 Hz). Float switch and air compressor connections to be made on-site.

Certification number: Z-55.3-185 / Z-55.3-187

Installation versions:

- 1 With polyethylene temporary construction debris cover (can be used as a cover in green areas if there is sufficient protection against unauthorised opening).
- 2 With polymer vertically adjustable upper section, with polymer cover (600 kg load class).
- 3 With polymer vertically adjustable upper section, with concrete / cast iron cover (Class B, 12.5 t).

Accessories: see page 277 to page 279

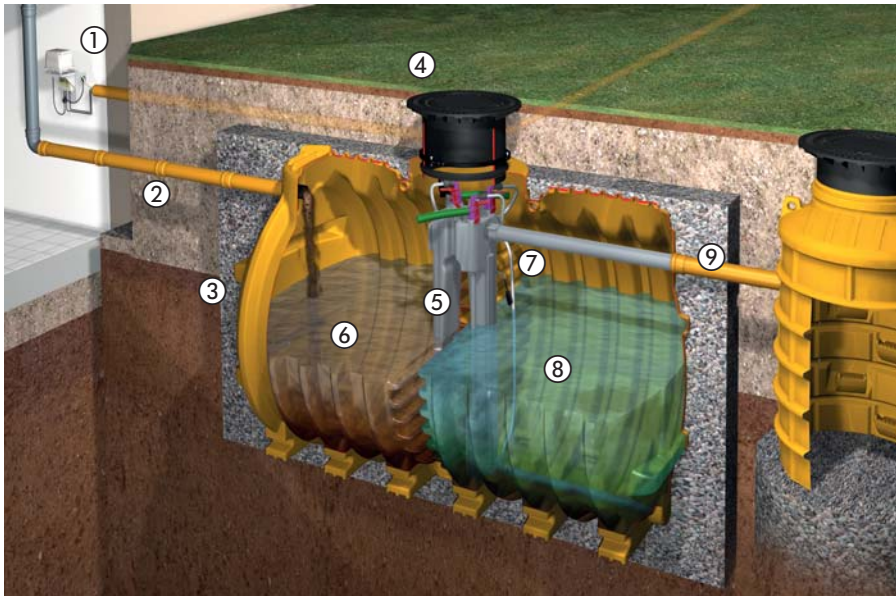


Population equivalent *	L	B	D		DEC = D	GW	h2	h1	h _{empty}
			min.	max.					
PE 4	2350	2000	590	- 1026	D - 255	1775	1875	1775	2000
PE 6	2350	2000	590	- 1026	D - 255	1775	1875	1775	2000
PE 8	3470	2000	590	- 1026	D - 255	1775	1875	1775	2000
PE 10	3470	2000	590	- 1026	D - 255	1775	1875	1775	2000

* Population equivalent = number of people living in home which will be connected to the *InnoClean PLUS*

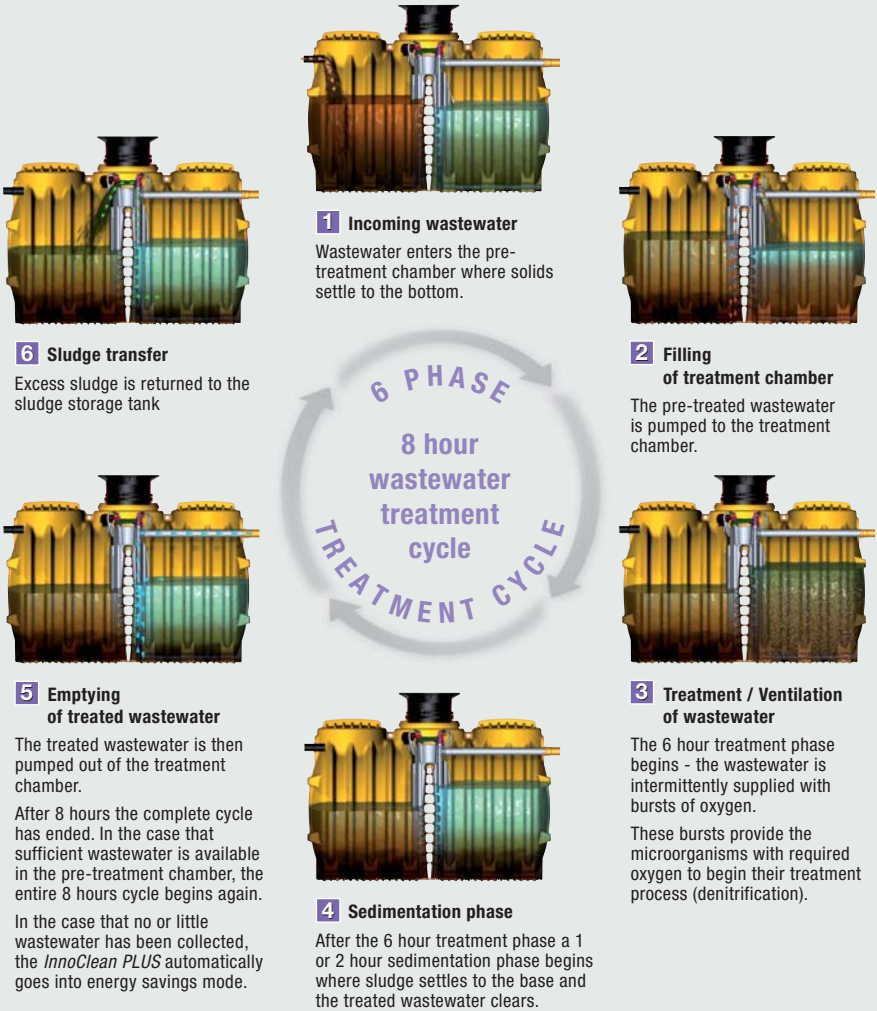
InnoClean PLUS wastewater treatment systems for underground installation

Installation example



- ① Control unit and compressor
- ② Wastewater inlet
- ③ KESSEL InnoClean PLUS tank
- ④ Child proof load class B (12.5 ton) cover
- ⑤ Treatment tower with integrated sampling
- ⑥ Pre-treatment chamber
- ⑦ Integrated separation wall
- ⑧ Activation chamber
- ⑨ Outlet to dry well

Description of operation



Professional advantages

- **Full line of system sizes**
Available in size PE 4 to PE 50
- **User friendly operation**
Interactive control unit with LCD read-out and user friendly touch pad (max. distance to system 27.5 m)
- **Low weight**
Complete installation handled with standard construction equipment.
- **Quick connection** for ventilation hoses
- **Easy connection** of air compressor – no tools required
- **Treatment tower is completely removable for maintenance / inspection**
- **Ready to go system** provides simplified on-site installation
- **Compressor pump and aeration diffuser** easily removed for inspection and maintenance
- **Three different installation versions** to meet custom installation requirements
- **Variable upper section** inclinable, height adjustable and private vehicle traffic proof

Power usage calculation example:

0.11 KWh x 2 hours/day x 365 days/year = 80.30 KWh (Power usage air compressor)
 0,01 KWh x 24 hours/day x 365 days/year = 87.60 KWh (Power usage control unit)
 Total annual power consumption: = 167.90 KWh
 At 0.25 €/KWh this results in a total annual operational cost of only 42 €

Note: If the InnoClean automatically goes into vacation or sleep mode, annual power costs would be even lower.



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 YouTube