OneAdvanced

Product Specification Sheet

The Graf OneAdvanced wastewater treatment system is available in sizes up to 1000PE and features an upgraded control panel that with the appropriate add-ons, can achieve excellent discharge quality, meeting the strictest requirements of nutrient neutrality with an energy usage starting from just 0.95kWh/d.

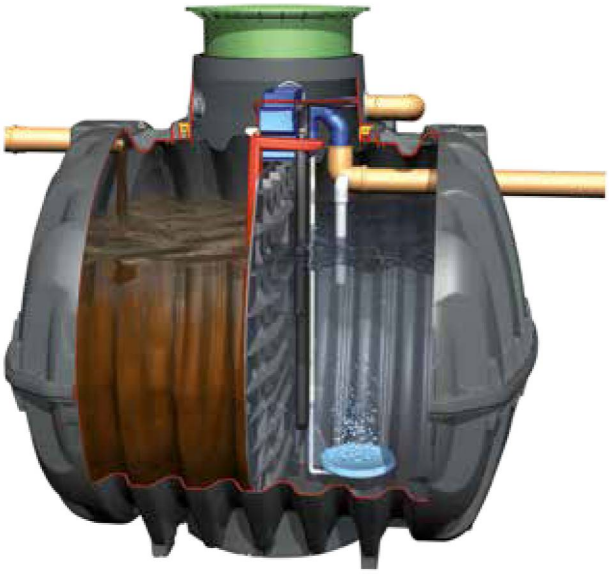
System Sizing & Effluent Quality (Advanced upgrade)

Nominal organic daily load (influent) = 0.39 kg BOD5/d
Nominal hydraulic load = 1.2 m3/day

		COD		BOD_5		TN_b**		NH_4N**		P_{tot}**		SS	
Population	Tanks	Efficiency	Effluent	Efficiency	Effluent	Efficiency	Effluent	Efficiency	Effluent	Efficiency	Effluent	Efficiency	Effluent
10PE	4,800L	91.9%	51mg/l	95.9%	12mg/l	62.0%	21.1mg/l	65.6%	12mg/l	53.5%	3.8mg/l	94.4%	20mg/l
14PE	6,500L												
22PE	2x 4,800L												
28PE	2x 6,500L												
35PE	2x 8,500L												
40PE	2x 10,000L												
50PE	4x 6,500L												

(Effluent qualities available on application)	
Population	Tanks
60PE	4x 6,500L
75*-100PE	2x 16,000L
100PE	2x 22,000L
125*-165PE	2x 26,000L
150PE	2x 32,000L
175PE	2x 38,000L
200PE	4x 22,000L
220PE	2x 44,000L
250PE	1x 52,000L + 2x 32,000L
275PE	1x 32,000L + 1x 16,000L + 2x 26,000L
300PE	1x 52,000L + 2x 32,000L
350PE	3x 22,000L + 2x 38,000L
400PE	2x 26,000L + 2x 44,000L
450/500PE	3x 22,000L + 4x 26,000L
550/600PE	3x 26,000L + 4x 32,000L
650/700PE	1x 42,000L + 2x 32,000L + 4x 38,000L
750/800PE	1x 38,000L + 3x 22,000L + 6x 28,000L
850/900PE	1x 54,000L + 3x 22,000L + 6x 34,000L
950/1,000PE	1x 54,000L + 3x 22,000L + 6x 38,000L

*max PE before using +P
**determined for temperatures ≥ 12° C in the bioreactor



Advanced System Add-Ons

- +K Control panel can be calibrated for under-loading.
- +C Carbon dosing (for holiday homes, etc)
- +P Phosphate removal
- +O Pumped outlet (IPS)
- +H Disinfection via UV light of Chlorine Dosing
- +R Remote Modem, LAN and GPRS options
- +D Denitrification package

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Wastewater Treatment