

## 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.

### System Sizing & Effluent Quality (Advanced upgrade)

Nominal organic daily load (influent) = 0.39 kg BOD5/d

Nominal hydraulic load = 1.2 m3/day

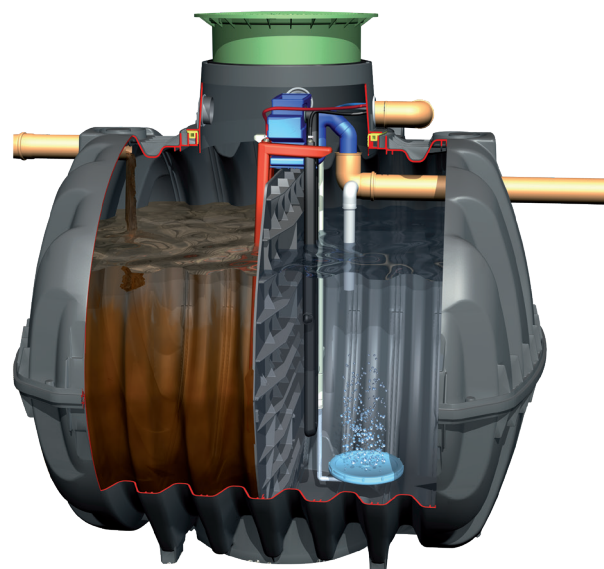
Population	Tanks	COD		BOD <sub>5</sub>		TN <sub>b</sub> **		NH <sub>4</sub> N**		P <sub>tot</sub> **		SS		Electrical Consumption
		Efficiency	Effluent	Efficiency	Effluent	Efficiency	Effluent	Efficiency	Effluent	Efficiency	Effluent	Efficiency	Effluent	
10PE	4,800L	91.9%	51mg/l	95.9%	12mg/l	62.0%	21.1mg/l	65.6%	12mg/l	53.5%	3.8mg/l	94.4%	20mg/l	0.95 kWh/d
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	3x 22,000L + 2x 44,000L
450/500PE	3x 22,000L + 4x 32,000L
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  $\geq 12^{\circ}\text{C}$  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