Units AT 6-250

Small Biological Treatment Units

Polypropylene

Treatment of urban wastewater from small settlements, hotels, private homes, industrial facilities, etc.

❖ APPLICATION

Compact system that concentrates in one small tank the entire municipal wastewater treatment process

❖ DAILY FLOW

From 0,60 m³ to 37,50 m³ (depending on the model)

❖ ADVANTAGES

- ✓ Complies with EN 12566-3 Norms
- ✓ The unit has been tested and certified in Germany (PIA Aachen)
- ✓ CE certification
- ✓ Does not require additional use of chemicals
- ✓ Exclusively uses patented VFL (Vertical Flow Labyrinth) technology
- ✓ High quality treated water BOD5< 5mg/lt
- ✓ Simple installation
- ✓ Reduced installation and maintenance costs
- ✓ Reuse of treated water after additional process for irrigation or groundwater enrichment

OPPERATION

- ❖ It is based on the aerobic process using suspended biomass of low loading
- ❖ Effluent is transported in a series of three chambers in the shape of a vertical labyrinth, with vertical alternation towards the upper or lower flow of the effluent
- ❖ By staying in the aeration tank for a long time, the waste water breaks down biologically and is transformed organically
- ❖ The treated water overflows through a special arrangement to the natural environment or the disinfection unit

TECHNICAL DATA

- ❖ It is made of 8mm thick high strength polypropylene
- ❖ It consists of the tank with integrated technological equipment
- ❖ Air pump as standard equipment
- ❖ Lockable plastic lid

ADDITIONAL EQUIPMENT

- ❖ Small air pump storage tank with lid
- ❖ MPR electronic timer
- ❖ Unit extension

Prosper Hellas

Ρήγα Φεραίου 160 & 175
Τ.Κ 56626 Συκιές Θεσ/νίκη
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DIMENTIONS AT Cylindrical

Models	Match to residents	Maximum flow (m^3/d)	Organic load (kg BOD5/d)	Ø (mm)	H (mm)	Inlet level (mm)	Outlet level (mm)	DN inlet/outlet (mm)
AT 6	4	0,60	0,24	1400	1800	1300	1150	125/125
AT 8	6	0,90	0,36	1400	2200	1700	1500	125/125
AT 10	8	1,20	0,48	1750	2200	1500	1250	125/125
AT 12	10	1,50	0,60	1750	2400	1700	1500	125/125
AT 15	12	1,75	0,72	2100	2200	1700	1500	150/150
AT 20	18	2,70	1,08	2050	2700	2200	2000	150/150

DIMENTIONS AT Oval

Models	Match to residents	Maximum flow (m^3/d)	Organic load (kg BOD5/d)	L x W (mm)	H (mm)	Inlet/Outlet level (mm)	DN inlet/outlet (mm)	Annual consumption (kWh/ έτος)
AT 30	30	4,5	1,8	3720 x2260	2250	1700/1500	150/150	1511
AT 40	40	6,0	2,4	4660 x 2260	2250	1700/1500	150/150	1971
AT 50	50	7,5	3,0	4850 x 2260	2500	2100/1900	150/150	2365
AT 75	75	11,3	4,5	5160 x 2260	2500	2200/1900	150/150	3425
AT 100	100	15,0	6,0	6410 x 2260	2500	2200/1900	150/150	4730
AT 120	120	18,0	7,2	7110 x 2260	2500	2200/1900	150/150	6701
AT 150	150	22,5	9,0	8560 x 2260	2500	2200/1900	150/150	6701
AT 175	175	26,3	10,5	9760 x 2260	2500	2200/1900	150/150	8042
AT 200	200	30	12	10960 x 2260	2500	2200/1900	150/150	8870
AT 225	225	33,8	13,5	12000 x 2260	2500	2200/1900	150/150	10052
AT 250	250	37,5	15	13460 x 2260	2500	2200/1900	150/150	10052

PLACEMENT

See special brochure

MAINTENANCE:
Complete cleaning and emptying of wastewater sludge at least once a year

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