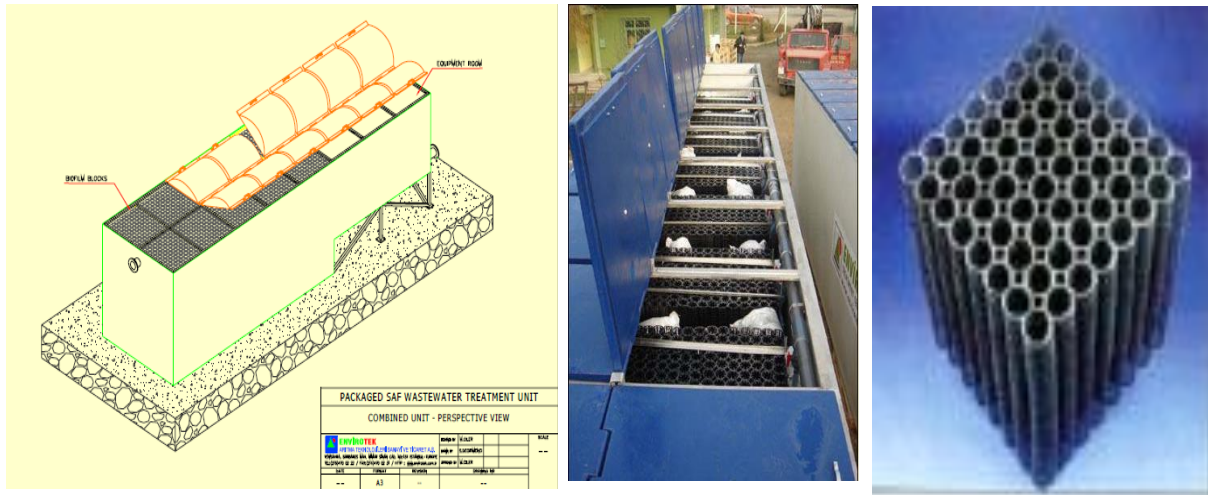


ENVIRO SAF (Submerged Aerated Filter) system is a compact and efficient biological sewage treatment plant specially designed for small and medium flow applications.



ENVIRO SAF technology presents major advantages over the classical Activated Sludge (AS) systems:

- ✓ Low energy demand
- ✓ Low maintenance costs
- ✓ Stable biological process
- ✓ Smell and noise -free technology
- ✓ Less space required
- ✓ Possible nitrification, denitrification and phosphate removal

ENVIRO SAF Units are the right choice for;

- ✓ Villages ,
- ✓ Housing estates
- ✓ Hotels and holiday villages,
- ✓ Small commercial developments
- ✓ And any settlement with population up to 2000 people and away from central sewage line.

ENVIROTEK PACKAGE SAF UNITS CAPACITY TABLE

(Without Nitrification/With Pretreatment& Equalization tank*)

Model	Person Equivalent	Organic Capacity**	Total Hydraulic Capacity (m ³ /d)	Max. Hydraulic Capacity (m ³ /h)
ENVIRO 10	400	24	100	4
ENVIRO 14	580	34	140	6
ENVIRO 18	750	45	180	8
ENVIRO 23	950	57	230	10
ENVIRO 28	1150	69	280	12
ENVIRO 34	1350	81	340	14
ENVIRO 40	1600	96	400	16
ENVIRO 44	1800	108	440	18

ENVIROTEK PACKAGE SAF UNITS CAPACITY TABLE

(With Nitrification / With Pretreatment& Equalization tank*)

Model	Person Equivalent	Organic Capacity**	Total Hydraulic Capacity (m ³ /d)	Max. Hydraulic Capacity (m ³ /h)
ENVIRO N7	300	18	70	3
ENVIRO N10	420	25	100	4
ENVIRO N14	550	33	140	6
ENVIRO N18	720	43	180	8
ENVIRO N22	900	54	220	10
ENVIRO N28	1100	66	280	12
ENVIRO N33	1320	79	330	14
ENVIRO N39	1550	93	390	16

*CONCRETE RESEDIMENTATION, SLUDGE & BUFFER TANKS

**1 PE=60 gr BOD

ENVIROTEK PACKAGE SAF UNITS CAPACITY TABLE

(Without Nitrification/ Without Pretreatment& Equalization tank*)

Model	Person Equivalent	Organic Capacity**	Total Hydraulic Capacity (m3/d)	Max. Haydraulic Capacity (m3/h)
ENVIRO 10	200	12	50	5
ENVIRO 14	300	18	70	7
ENVIRO 18	380	22	90	9
ENVIRO 23	480	28	120	12
ENVIRO 28	580	34	140	14
ENVIRO 34	680	40	170	17
ENVIRO 40	800	48	200	20
ENVIRO 44	900	54	220	22

ENVIROTEK PACKAGE SAF UNITS CAPACITY TABLE

(With Nitrification/ Without Pretreatment& Equalization tank*)

Model	Person Equivalent	Organic Capacity**	Total Hydraulic Capacity (m3/d)	Max. Haydraulic Capacity (m3/h)
ENVIRO N7	150	9	35	4
ENVIRO N10	200	12	50	5
ENVIRO N14	300	18	70	7
ENVIRO N18	380	23	90	9
ENVIRO N22	450	27	110	11
ENVIRO N28	550	33	140	13
ENVIRO N33	680	41	165	16
ENVIRO N39	800	48	195	19

*CONCRETE RESEDIMENTATION, SLUDGE & BUFFER TANKS

**1 PE=60 gr BOD

PROCESS DESCRIPTION OF ENVIRO SAF

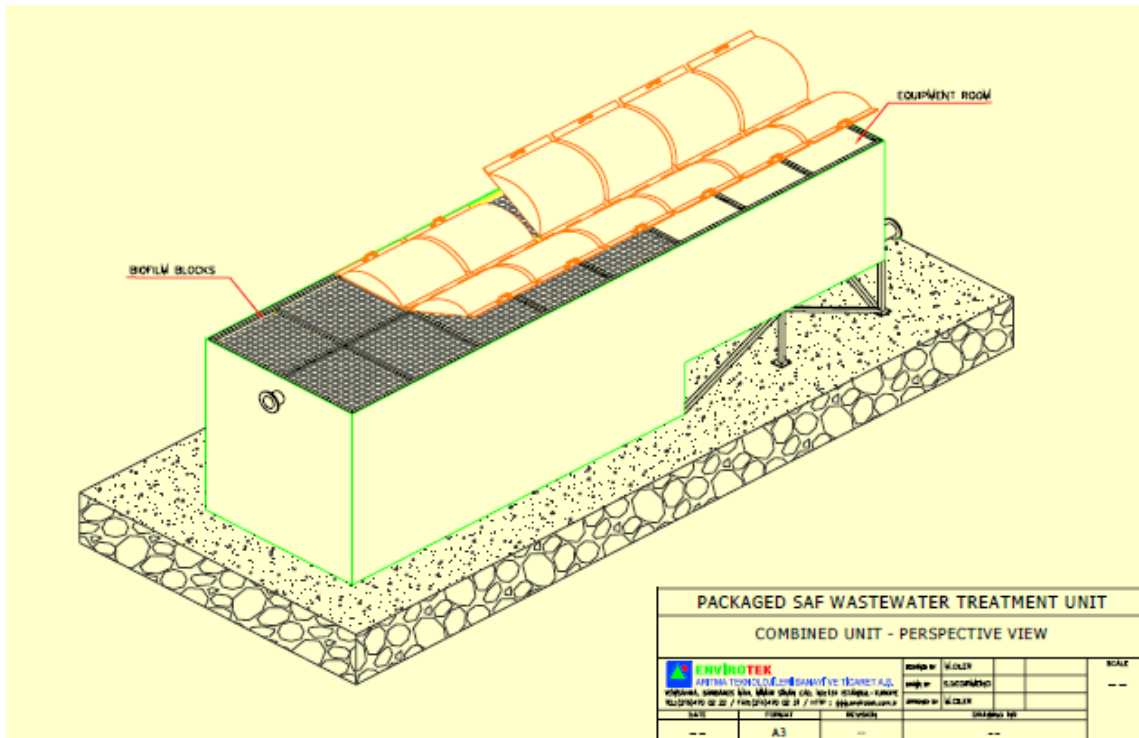
Inlet Screen: Firstly, wastewater will be passed from inlet screen

Pre-Sedimentation & Sludge Holding Tank: The tank is divided into three compartments, solid particles are settled by gravity in there. Also excess biological sludge will be collected in this tank and digested anaerobically. Stabilized sludge should be vacuumed from there, 1-4 times a year.

Biological Treatment Unit: The tank will be made of GRP and easy to transport. Principle of the biological treatment is fixed film process and the unit was equipped with full bottom and fulltime aeration. The bio-filters placed on the inside of the tank, on the surface of the bio-filter, aerobic micro-organisms naturally occurring in sewage form a fixed film.

Post Settling: Post settling will be done in a drum filter and they are reliable system for the separation of fine solid sand organic matter.

Disinfection System: Hypochlorite solution will be dosed to treated water depending on chlorine residual sensor. Disinfected water will be discharged.



For an offer, please contact
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