AQUATOR HORIZONTAL HYDROCARBONS SEPARATOR WITH SAND CLEARING TANK - CLASS 1-

Field of Application

The rain water treatment system is used for stopping and treating the rain water within the first 15 minutes of precipitation (the first rain).The hydrocarbons separator is used both for class 1 and for class 2. The separator can be used for the discharge into soil (NTPA 001) but with the retention of metalliferous remains.

Characteristics

The system is composed of a tank made of polyesters reinforced with glass fiber, cylindrical, horizontal, designed acc. to DIN 4040 norms. AQUATOR SEP-RAIN is reinforced with 50x50 rings, at every 350 mm for resistance during the interring. The system has manholes for emptying and for oil sampling.

Operation Parameters

• the system is used for surfaces of up to 100.000 m2;
•the system uses a sand clearing tank;
the system abides by NTPA001/02 norm having an output index < 0.24 mg/l of oil;
•norms: 98/97 CE ,SR 1846-2/2006.

Optional

•remote controlled electric command panel with alarm;

• by-pass pipe;
•accumulation chamber;
•settling chamber;
•separation chamber for oily substances -with coalescent filter;
•lifting pump;
•oil storage chamber;
•final filtration chamber;
•lifting pump that sends the water to the separation area, managed by a control unit adjusted for a periodof 48-96 hours.

Materials

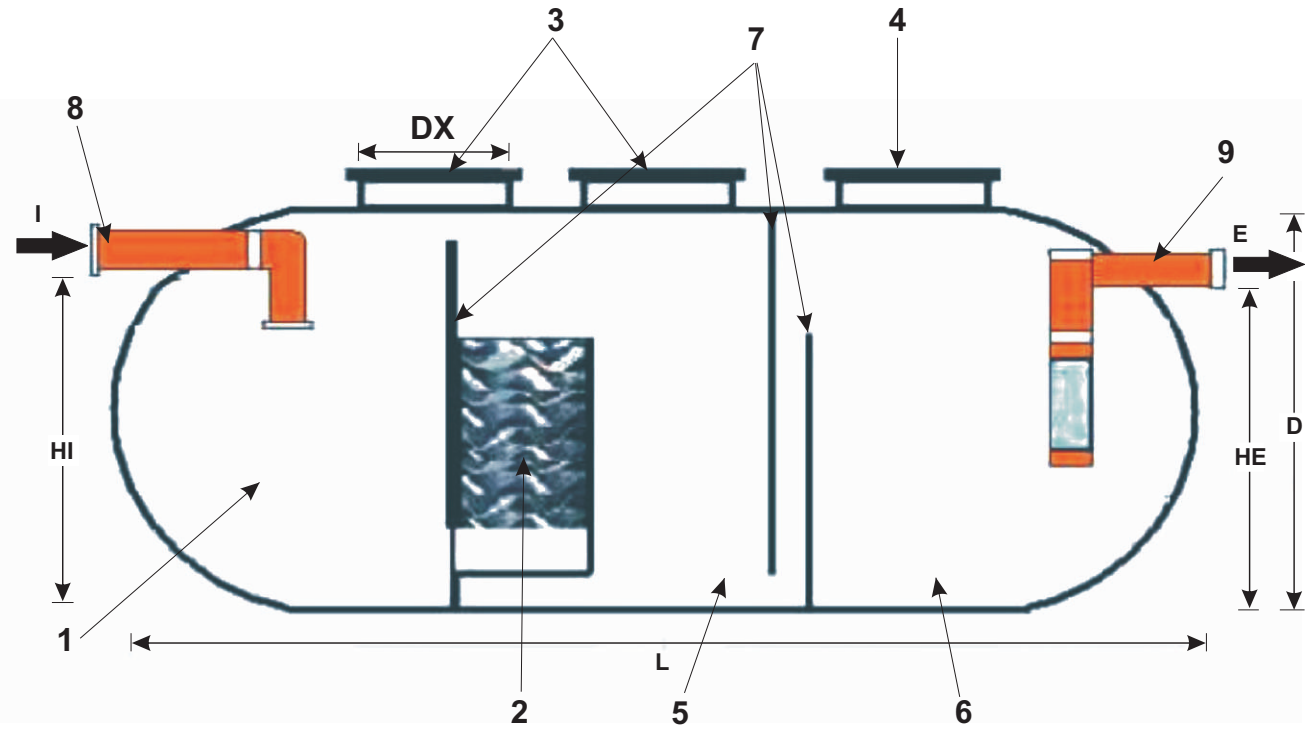
1.**Tank**	polyesters reinforced with glass fiber;
2.**Inner separation wall (with coalescent filter)**	polyesters reinforced with glass fiber;
3.**Input pipe**	PVC;
4.**Output pipe**	PVC;
5.**Bio-gas output pipe**	PVC.



AQUATOR HORIZONTAL HYDROCARBONS SEPARATOR WITH SAND CLEARING TANK - CLASS 1-

Components

1.**Primary settling chamber**
2.**Coalescent filter**
3.**Manhole for solids emptying**
4.**Manhole for fats extraction and biogas output**
5.**Sludge/sand settling chamber**
6.**Clearing chamber**
7.**Separation wall**
8.**Input pipe**
9.**Output pipe**



Characteristics

Model	FLOW l/sec	Sizes mm					Capacity m^3			Filters	Manhole
		Tank		Pipes	HI	HE	V	V	V	No.	
		D	L	D I/E			Settling	Oil	Total		DXNR
15	15	1300	3300	200	1100	1040	1.4	0.6	4.2	1	500x2
20	20	1400	4200	200	1200	1140	2.2	0.7	6	1	500x2
25	25	1600	4100	200	1400	1340	2.5	0.8	7	1	500x2
30	30	1600	4700	200	1400	1340	3.2	0.9	8	1	500x2
35	35	1600	5200	200	1400	1340	3.4	1.04	9	1	500x2
40	40	1600	5500	200	1400	1340	3.8	1.1	10	1	500x2
45	45	1800	5200	200	1600	1550	4.2	1.2	12	2	500x2
50	50	1800	5900	300	1500	1450	4.6	1.3	13	2	500x3
60	60	2000	5500	300	1700	1650	5.2	1.4	14	2	500x3
70	70	2000	6300	300	1700	1650	5.8	1.6	16	2	500x3
80	80	2000	7100	300	1700	1650	6.3	1.7	18	2	500x3
90	90	2200	6300	300	1900	1650	7.4	1.8	20	2	500x3
100	100	2200	7000	300	1900	1850	8.8	2	22	2	500x3
125	125	2200	7900	350	1850	1800	10	2.5	25	2	500x3
150	150	2500	7900	350	2150	2100	12.5	2.7	35	3	500x4
175	175	2500	9400	350	2150	2100	15.4	3.2	43	3	500x4
200	200	3000	7100	350	2650	2600	17.3	3.7	48	4	500x4
250	250	3000	8500	400	2600	2550	19.8	4.1	56	5	500x4
300	300	3000	9800	400	2600	2550	23.2	5	67	6	500x4