

TREATMENT PLANT BY LOW-LOAD ACTIVATED SLUDGE WITH NITROGEN REMOVAL (NITRIFICATION-DENITRIFICATION) AND CLARIFY PROCESS IN COMPACT TANK

REF: CHC – OXI-REC-C-ANOX

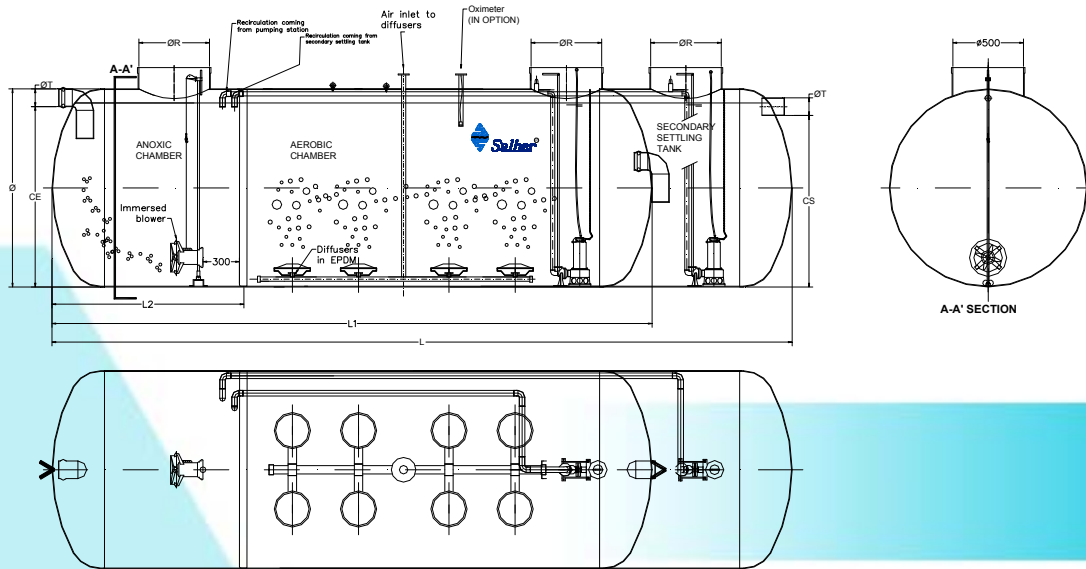
Applications:

- Organic matter removal (BOD5).
- Nitrogen removal (Nt).

Characteristics:

- Salher brand, model CHC-OXI-REC-C-ANOX.
- Glass Fiber Reinforced Polyester (GFRP) biological reactor incorporates the anoxic chamber, aeration basin and secondary clarifier.
- Organic matter reduction efficiency (BOD5) $\geq 90 - 95 \%$.
- Extended aeration and MLSS (mixed liquor suspended solids) homogenization in the aeration basin with a blower and EPDM fine bubble diffusers grid.
- Agitation system of the anoxic chamber composed of a submerged agitator and a withdrawal kit.
- Integrated secondary settling tank (clarifier).
- Internal and external recirculation system composed of submerged sludge recycle pumps and auto-coupling kits.
- PVC inlet and outlet pipes.
- Outlet in the manhole to install a ventilation pipe.
- Access through manhole with GFRP cover.





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PE	CAPACITY [liters]	Ø [mm]	L [mm]	INLET [mm]	OUTLET [mm]	ØT [mm]	Blower (kW)	PUMPS REC. (kW)	AGITATOR (kW)
25	8.000	1.400	5.500	1.275	1.225	125	0.55	0.55	0.6
30	10.000	1.700	4.750	1.575	1.525	125	0.55	0.55	0.6
40	12.000	1.700	5.650	1.575	1.525	125	0.55	0.55	0.6
50	15.000	1.700	7.000	1.575	1.525	125	0.75	0.55	0.6
75	20.000	2.000	6.760	1.840	1.790	160	1.1	0.55	0.6
75	20.000	2.250	5.450	2.090	2.040	160	1.1	0.55	0.6
90	30.000	2.250	8.000	2.050	2.000	200	1.1	0.55	0.6
100	35.000	2.250	9.250	2.050	2.000	200	1.5	0.55	0.6
100	35.000	2.500	7.600	2.300	2.250	200	1.5	0.55	0.6
150	45.000	2.500	9.660	2.300	2.250	200	2.2	0.55	0.6
175	50.000	2.500	10.680	2.300	2.250	200	2.2	0.55	0.6
200	55.000	2.500	11.700	2.300	2.250	200	2.2	0.55	0.6
225	65.000	3.000	9.800	2.800	2.750	200	2.2	0.55	0.6
250	70.000	3.000	10.500	2.800	2.750	200	3.0	0.55	0.6
300	85.000	3.000	12.600	2.800	2.750	250	3.0	0.55	0.6
350	95.000	3.500	10.600	3.250	3.150	250	4.0	0.55	0.6
400	110.000	3.500	12.120	3.250	3.150	250	5.5	0.55	0.6
500	140.000	3.500	15.240	3.250	3.150	250	5.5	0.55	0.6
550	150.000	4.000	13.890	3.750	3.650	250	5.5	0.55	0.6
600	170.000	4.000	14.300	3.750	3.650	250	5.5	0.55	0.6
700	190.000	4.000	15.900	3.750	3.650	250	7.5	0.55	0.6
750	205.000	4.000	17.100	3.750	3.650	250	7.5	0.55	0.6
800	220.000	4.000	18.500	3.750	3.650	250	7.5	0.55	0.6
900	2 X 125.000	3.500	13.650	3.250	3.150	250	2 X 5.5	0.55	0.6
1.000	2 X 140.000	3.500	15.240	3.250	3.150	250	2 X 5.5	0.55	0.6

WASTE WATER TREATMENT PLANT IS EQUIPPED WITH PANEL BOARD.
 PUMPS CAN BE EXTRACTED WITHOUT THE NEED TO EMPTY THE TANK.
 WWTP COMPLEMENTARY EQUIPMENT: WASTE WATER SCREENS, GREASE INTERCEPTORS,
 PUMPING STATIONS, DISINFECTION UNITS, EXCESS SLUDGE SETTLING TANKS, ETC.