

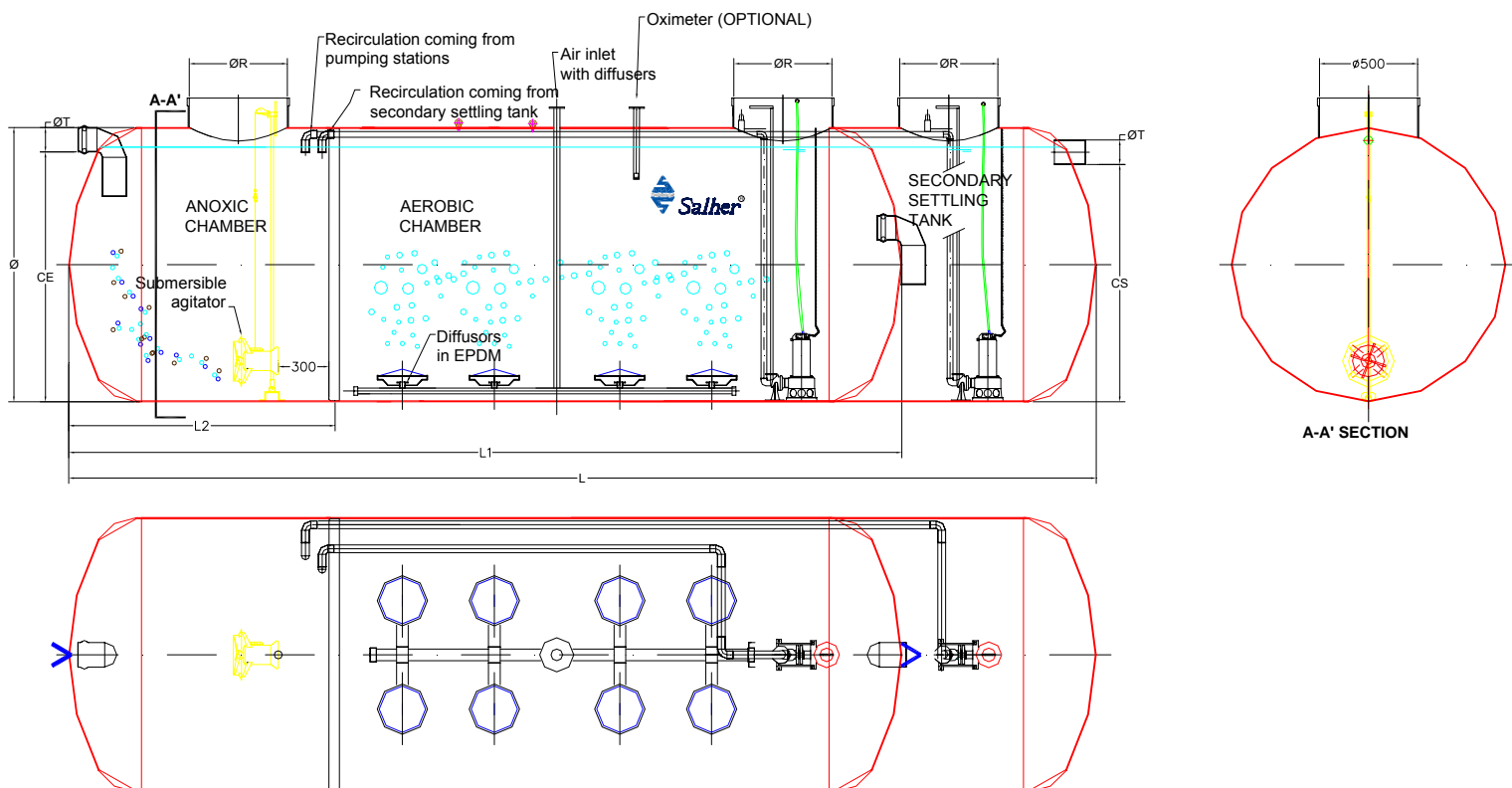
SECONDARY TREATMENT FOR LOW CHARGE ACTIVATED-SLUDGE, WITH NITROGEN REMOVAL BY BIOLOGICAL METHOD (NITRIFICATION-DENITRIFICATION) AND CLARIFICATION PROCESS IN COMPACT SETTLING TANK
MODEL: CHC-OXIREC-C-ANOX

Function:

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

Characteristics:

- Manufactured by Salher, Model CHC-OXIREC-C-ANOX.
- Reactor made of Fiberglass Reinforced Polyester (FGRP) with orthophthalic resin, provided with an anoxic chamber, aerobic and secondary settling.
- Organic matter removal efficiency (BOD5) $\geq 90 - 95 \%$.
- Oxygen transfer mixed with liquor homogenization system in aerobic chamber through blower and fine bubbles diffusers in EPDM.
- Agitation system of the anoxic chamber with submersible agitator and discharge connection.
- Secondary settling chamber in compact tank.
- Internal and external recirculation system through submersible pump and discharge connection.
- PVC inlet and outlet pipes.
- Access via manhole with upper cover in FGRP.
- Connection pipe to install the air vent.



PE	CAPACITY [liters]	Ø [mm]	L [mm]	INLET [mm]	OUTLET [mm]	Ø T [mm]	Blower (KW)	Rec. PUMP (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	24.000	2.000	8.050	1.840	1.790	160	1.1	0.55	0.6
75	24.000	2.250	5.380	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	30.000	2.250	8.000	2.050	2.000	200	1.5	0.55	0.6
100	30.000	2.500	6.600	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