

TREATMENT PLANT BY LOW-LOAD ACTIVATED SLUDGE (EXTENDED AERATION) WITH SETTLING TANK, BLOWER, FINE BUBBLE DIFFUSERS AND SLUDGE RETURN SYSTEM

REF: CHC – OXI-REC – C

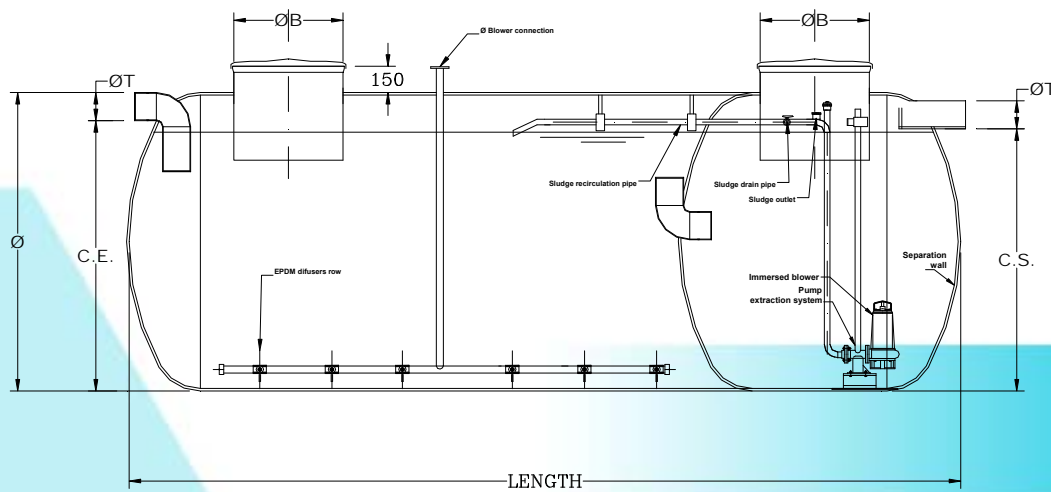
Application:

- Organic matter removal (BOD₅).

Characteristics:

- Salher brand, model CHC-OXIREC-C.
- Manufactured in Glass Fiber Reinforced Polyester (GFRP) with orthophthalic resins.
- Organic matter removal efficiency (BOD₅) = 80-90 %.
- Oxygen feeding and mixed liquor homogenization through blower and fine bubble diffusers grid in EPDM.
- Incorporated secondary clarifier and activated sludge return system with a submerged sludge pump.
- 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]	LENGTH [mm]	INLET [mm]	OUTLET [mm]	Ø T [mm]	Blower (kW)	PUMP REC. (kW)
25	5.000	1.400	3.520	1.275	1.225	125	0.55	0.55
30	6.000	1.400	4.160	1.275	1.225	125	0.55	0.55
40	8.000	1.700	3.850	1.575	1.525	125	1.10	0.55
50	10.000	1.700	4.740	1.575	1.525	125	1.10	0.55
75	15.000	2.000	5.160	1.875	1.825	125	1.50	0.55
75	15.000	2.250	4.200	2.125	2.075	125	1.50	0.55
90	18.000	2.250	4.950	2.090	2.040	160	1.50	0.55
100	20.000	2.000	6.760	1.840	1.790	160	1.50	0.55
100	20.000	2.250	5.450	2.090	2.040	160	1.50	0.55
150	30.000	2.500	6.600	2.300	2.250	200	2.20	0.55
175	35.000	2.500	7.600	2.300	2.250	200	2.20	0.55
200	40.000	2.500	8.630	2.300	2.250	200	3.00	0.55
225	45.000	2.500	9.650	2.300	2.200	200	3.00	0.55
250	50.000	2.500	10.680	2.300	2.200	200	3.00	0.55
300	60.000	3.000	9.060	2.300	2.200	200	3.00	0.55
350	70.000	3.000	10.500	2.300	2.200	200	3.00	0.55
400	80.000	3.000	11.900	2.750	2.650	250	3.00	0.55
500	100.000	3.000	14.730	2.750	2.650	250	5.50	0.55
550	110.000	3.000	16.150	2.750	2.650	250	5.50	0.55
550	110.000	3.500	12.100	3.250	3.150	250	5.50	0.55
600	120.000	3.500	13.200	3.250	3.150	250	5.50	0.55
700	140.000	3.500	15.200	3.250	3.150	250	7.50	0.55
750	150.000	3.500	16.270	3.250	3.150	250	7.50	0.55
800	160.000	3.500	17.310	3.185	3.085	315	Consult us	0.55
800	160.000	4.000	13.500	3.685	3.585	315	Consult us	0.55
900	180.000	4.000	15.000	3.685	3.585	315	Consult us	0.55
1.000	200.000	4.000	16.700	3.685	3.585	315	Consult us	0.55

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.