

## **TREATMENT PLANT BY LOW-LOAD ACTIVATED SLUDGE (EXTENDED AERATION) WITH SETTLING TANK, SUBMERGED AERATOR AND SLUDGE RETURN SYSTEM**

**REF: CHC – OXI-REC – A**

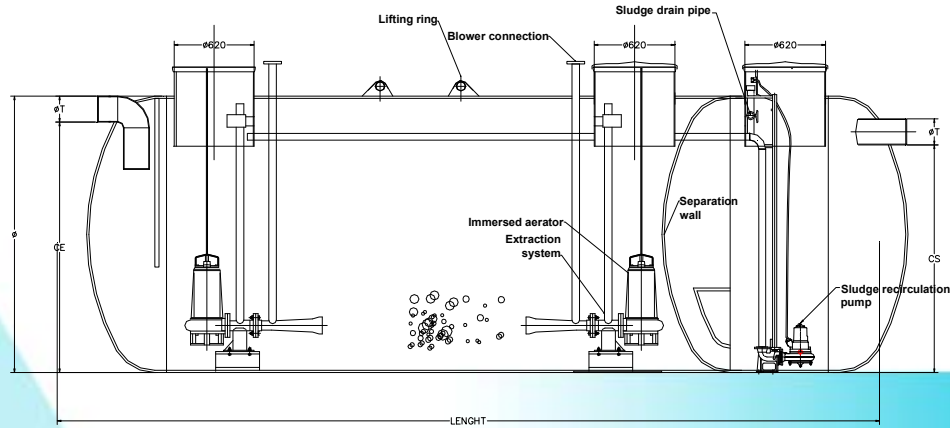
### **Application:**

- Organic matters removal (BOD<sub>5</sub>).

### **Characteristics:**

- Salher brand, model CVC – OXIREC – A.
- Manufactured in Glass Fiber Reinforced Polyester (GFRP) with orthophthalic resins.
- Organic matter removal efficiency (BOD<sub>5</sub>) = 80 - 90%.
- Oxygen feeding and mixed liquor homogenization through submerged aerator.
- 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.





PE	Capacity [liters]	Ø [mm]	Length [mm]	CE [mm]	CS [mm]	Ø T [mm]	Aerator (KW)	PUMP REC. (kW)
20	4.000	1.400	2.860	1.275	1.225	125	1.1	0.55
25	5.000	1.400	3.520	1.275	1.225	125	1.1	0.55
50	10.000	1.700	4.740	1.575	1.525	125	1.1	0.55
60	12.000	2.000	4.214	1.875	1.825	125	1.1	0.55
75	15.000	2.000	5.160	1.875	1.825	125	1.1	0.55
75	15.000	2.250	4.200	2.125	2.075	125	1.1	0.55
100	20.000	2.000	6.760	1.840	1.790	160	2x1.1	0.55
100	20.000	2.250	5.450	2.090	2.040	160	2x1.1	0.55
125	25.000	2.500	5.580	2.340	2.290	160	2x1.5	0.55
150	30.000	2.500	6.600	2.300	2.250	200	2x1.5	0.55
200	40.000	2.500	8.630	2.300	2.250	200	2x1.5	0.55
250	50.000	2.500	10.680	2.300	2.200	200	2x2.2	0.55
300	60.000	3.000	9.060	2.800	2.700	200	2x2.2	0.55
400	80.000	3.000	11.900	2.750	2.650	250	2x2.2	0.55
500	100.000	3.000	14.730	2.750	2.650	250	2x2.2	0.55
550	110.000	3.000	16.150	3.250	3.150	250	2x2.2	0.55
550	110.000	3.500	12.100	3.250	3.150	250	2x2.2	0.55
600	120.000	3.500	13.160	3.250	3.150	250	2x2.2	0.55
700	140.000	3.500	15.230	3.250	3.150	250	2x3.0	0.55
750	150.000	3.500	16.270	3.250	3.150	250	2x3.0	0.55
800	160.000	3.500	17.310	3.185	3.085	315	2x3.0	0.55
800	160.000	4.000	13.500	3.685	3.585	315	2x3.0	0.55
900	180.000	4.000	15.100	3.685	3.585	315	2x3.7	0.55
1.000	200.000	4.000	16.680	3.685	3.585	315	2x3.7	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