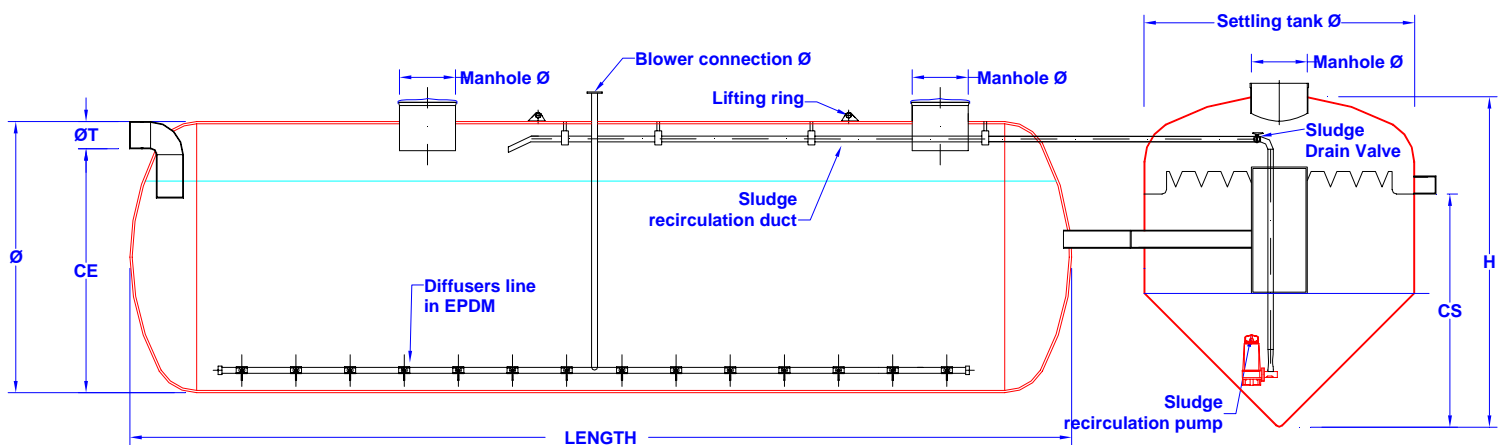


LOW CHARGE ACTIVATED-SLUDGE TREATMENT PLANT WITH CONICAL SETTLING TANK, BLOWER, FINE BUBBLES DIFFUSERS AND SLUDGE RECIRCULATION SYSTEM
MODEL: CHC-OXIREC-DEC
Function:

- Organic matter removal (BOD₅).

Characteristics:

- Manufactured by Salher, Model CHC-OXIREC-DEC.
- Made of Fiberglass Reinforced Polyester (FGRP) with orthophthalic resin.
- Organic matter removal efficiency (BOD₅) $\geq 90 - 95$ %.
- Oxygen transfer mixed with liquor homogenization system through blower and fine bubbles diffusers.
- Conical settling tank with central supply and Thompson canal.
- Activated-sludge recirculation system with submersible pump.
- PVC inlet and outlet pipes.
- Access via manhole with upper cover in Fiberglass Reinforced Polyester (FGRP).
- Connection pipe located in the manhole to install the air vent (or possibility to install it in any other place).



BIOLOGICAL REACTOR

POP/ EQV	CAPACITY [Liters]	Ø [mm]	LENGTH [mm]	INLET [mm]	OUTLET [mm]	PIPE Ø [mm]	BLOWER (KW)
50	10.000	1.700	4.740	1.575	--	160	1.10
75	15.000	2.000	5.200	1.875	--	160	1.50
75	15.000	2.250	1.200	2.125	--	160	1.50
100	18.000	2.000	6.120	1.840	--	200	1.50
100	18.000	2.250	5.000	2.090	--	200	1.50
150	25.000	2.500	4.360	2.300	--	200	2.20
200	35.000	2.500	7.620	2.300	--	250	3.00
300	50.000	2.500	10.670	2.300	--	250	3.00
400	68.000	2.500	14.330	2.250	--	300	3.00
500	85.000	3.000	12.610	2.750	--	300	5.50
600	102.000	3.000	15.000	2.750	--	300	5.50
700	120.000	3.000	17.500	2.750	--	300	7.50
700	120.000	3.500	13.200	3.250	--	300	7.50
800	140.000	3.500	14.900	3.185	--	300	Consult us
900	150.000	3.500	16.300	3.185	--	300	Consult us
1.000	170.000	4.000	14.300	3.685	--	300	Consult us

SETTLING TANK

POP/ EQV	CAPACITY [liters]	Ø [mm]	HEIGHT [mm]	INLET [mm]	OUTLET [mm]	PIPE Ø [mm]	RECIRCULATION PUMP (KW)
50	1.590	1.400	1.870	--	1.525	160	0.55
75	2.910	1.700	2.300	--	1.825	160	0.55
75	2.910	1.700	2.300	--	2.075	160	0.55
100	2.910	1.700	2.300	--	1.790	200	0.55
100	2.910	1.700	2.300	--	2.040	200	0.55
150	4.190	2.000	2.530	--	2.250	200	0.55
200	4.190	2.000	2.530	--	2.250	250	0.55
300	7.930	2.500	3.110	--	2.200	250	0.55
400	7.930	2.500	3.110	--	2.150	300	0.55
500	13.420	3.000	3.700	--	2.650	300	0.55
600	13.420	3.000	3.700	--	2.650	300	0.55
700	21.000	3.500	4.265	--	2.650	300	0.55
700	21.000	3.500	4.265	--	3.150	300	0.55
800	21.000	3.500	4.265	--	3.085	300	0.55
900	21.000	3.500	4.265	--	3.085	300	0.55
1.000	30.980	4.000	4.840	--	3.585	300	0.55