

## **HORIZONTAL HOUSEHOLD TREATMENT UNIT WITH SETTLING-DIGESTION CHAMBER AND BIOLOGICAL FILTER**

**REF: CHC-D**

### **Applications:**

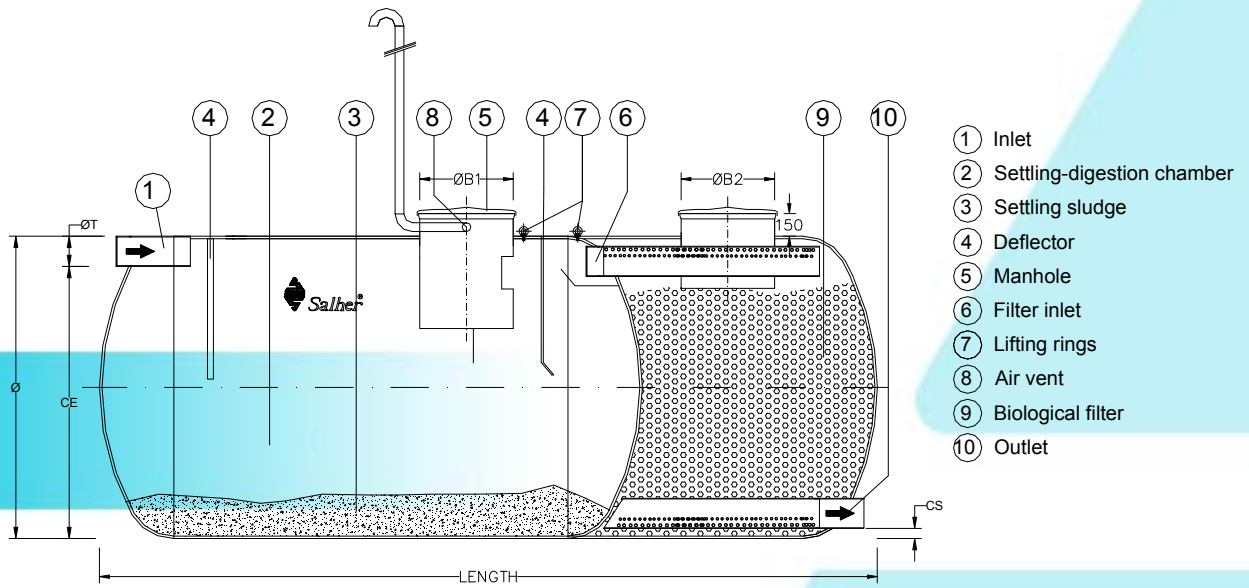
- Organic matter removal (BOD5).
- Suspended solids removal (SS).

### **Characteristics:**

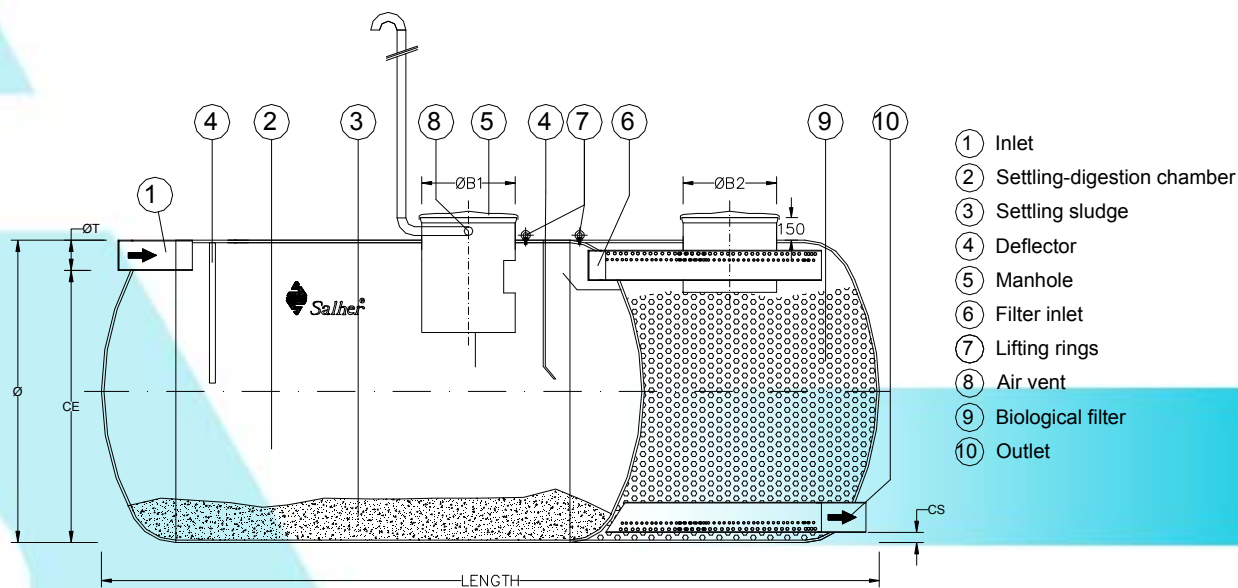
- Salher brand, model CHC-D.
- Manufactured Glass Fiber Reinforced Polyester (GFRP) with orthophthalic resins.
- Suspended solids (SS) reduction efficiency: 65-70%.
- Organic matter reduction efficiency (BOD5): 70-80 %.
- Primary treatment consisting in settling and anaerobic digestion processes.
- Secondary treatment takes place in the biological filter compartment provided with a fixed flow distributor, draw-off pipe in the bottom part and natural ventilation.
- Plastic filtering media with high porosity index (95%) and high specific surface area (140m<sup>2</sup>/m<sup>3</sup>).
- PVC inlet and outlet pipes.
- Manhole access for the maintenance operations (only by authorized services) with a GFRP cover.
- Outlet tube in the manhole to install a ventilation pipe.

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PE	CAPACITY [liters]	Ø [mm]	LENGTH [mm]	Ø [mm] MANHOLE 1	Ø[mm] MANHOLE 2	Ø [mm] PIPE	INLET [mm]	OUTLET [mm]
5	1.500	1.000	1.900	400	250	125	875	50
10	2.200	1.200	2.190	400	250	125	1.075	50
15	2.700	1.200	2.640	400	250	125	1.075	50
20	3.600	1.400	2.620	500	400	125	1.275	50
25	4.500	1.400	3.200	500	400	125	1.275	50
30	5.400	1.400	3.800	500	500	125	1.275	50
35	6.300	1.400	4.380	500	500	125	1.275	50
40	7.200	1.700	3.510	620	500	125	1.575	50
45	8.100	1.700	3.910	620	500	125	1.575	50
50	9.000	1.700	4.310	620	500	125	1.575	50
60	10.800	1.700	5.100	620	500	125	1.575	50
70	12.600	1.700	5.890	620	620	125	1.575	50
80	14.400	2.000	4.980	620	620	160	1.840	50
90	16.200	2.000	5.560	620	620	160	1.840	50
100	18.000	2.000	6.150	620	620	160	1.840	50
100	18.000	2.250	4.970	620	620	160	2.090	50
125	22.500	2.000	7.570	620	620	160	1.840	50
125	22.500	2.250	6.080	620	620	160	2.090	50
150	27.000	2.500	6.000	620	620	200	2.300	100
200	36.000	2.500	7.830	620	620	200	2.300	100
225	40.500	2.500	8.740	620	620	200	2.300	100
250	45.000	2.500	9.670	620	620	200	2.300	100
275	49.500	2.500	10.580	620	620	200	2.300	100
300	54.000	2.500	11.500	620	620	200	2.300	100
325	58.500	2.500	12.420	620	620	200	2.300	100



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PE	CAPACITY [liters]	Ø [mm]	LENGTH [mm]	Ø [mm] MANHOLE 1	Ø [mm] MANHOLE 2	Ø [mm] PIPE	INLET [mm]	OUTLET [mm]
350	63.000	2.500	13.330	620	620	200	2.300	100
350	63.000	2.500	13.330	620	620	200	2.300	100
375	67.500	2.500	14.250	620	620	200	2.300	100
375	67.500	3.000	9.900	620	620	200	2.800	100
400	72.000	2.500	15.170	620	620	250	2.250	100
400	72.000	3.000	10.750	620	620	250	2.750	100
425	76.500	2.500	16.080	620	620	250	2.250	100
425	76.500	3.000	11.400	620	620	250	2.750	100
450	81.000	3.000	12.060	620	620	250	2.750	100
475	85.500	3.000	12.700	620	620	250	2.750	100
500	90.000	3.000	13.340	620	620	250	2.750	100
550	99.000	3.000	14.610	620	620	250	2.750	100
600	108.000	3.000	15.880	620	620	250	2.750	100
600	108.000	3.500	11.910	620	620	250	3.250	100
650	117.000	3.000	17.160	620	620	250	2.750	100
650	117.000	3.500	12.830	620	620	250	3.250	100
700	126.000	3.000	18.430	620	620	250	2.750	100
750	135.000	3.000	19.700	620	620	300	2.700	100
750	135.000	3.500	14.700	620	620	300	3.200	100
800	144.000	3.000	20.980	620	620	315	2.685	100
800	144.000	3.500	15.650	620	620	315	3.185	100
850	153.000	3.000	22.250	620	620	315	2.685	100
850	153.000	3.500	16.600	620	620	315	3.185	100
900	162.000	3.000	23.520	620	620	315	2.685	100
900	162.000	4.000	13.550	620	620	315	3.685	100
950	171.000	3.000	24.800	620	620	315	2.685	100
950	171.000	4.000	14.300	620	620	315	3.685	100
1.000	180.000	3.000	26.070	620	620	315	2.685	100
1.000	180.000	4.000	15.050	620	620	315	3.685	100