

PRIMARY TREATMENT

SETTLING - DIGESTION

SMALL VERTICAL SEPTIC TANK <5EP	
MODEL: CVC -FS	2
LARGE VERTICAL SEPTIC TANK <350EP	
MODEL: CVC- FS	3
HORIZONTAL SEPTIC TANK	
MODEL: CHC- FS	4
IMHOFF TANK	
MODEL: CHC-IMH	6

CONICAL SEPTIC TANKS

CLOSED SETTLING TANK	
MODEL: CVC-DC-TC.....	8
OPEN SETTLING TANK	
MODEL: CVC-DC-TC.....	9

ACCESSORIES

SANDS AND SOLIDS DETECTION PROBE	
MODEL: SAND-SET 1000	10

NOTICE:

WE CAN PROVIDE DIFFERENT SIZES AND CONFIGURATIONS ACCORDING TO YOUR SPECIFICATIONS. PLEASE CONSULT US. THE INDICATED DIMENSIONS CAN VARY. INTERNAL DIMENSIONS SPECIFIED IN MILLIMETERS. VOLUMES IN LITERS.

Salher is committed to continuous researches and product development and reserves right to amend the information provided in this document without prior notice.

This document is subject to intellectual property right and client shall not copy, amend or hand it on to third parties except if for personal use.

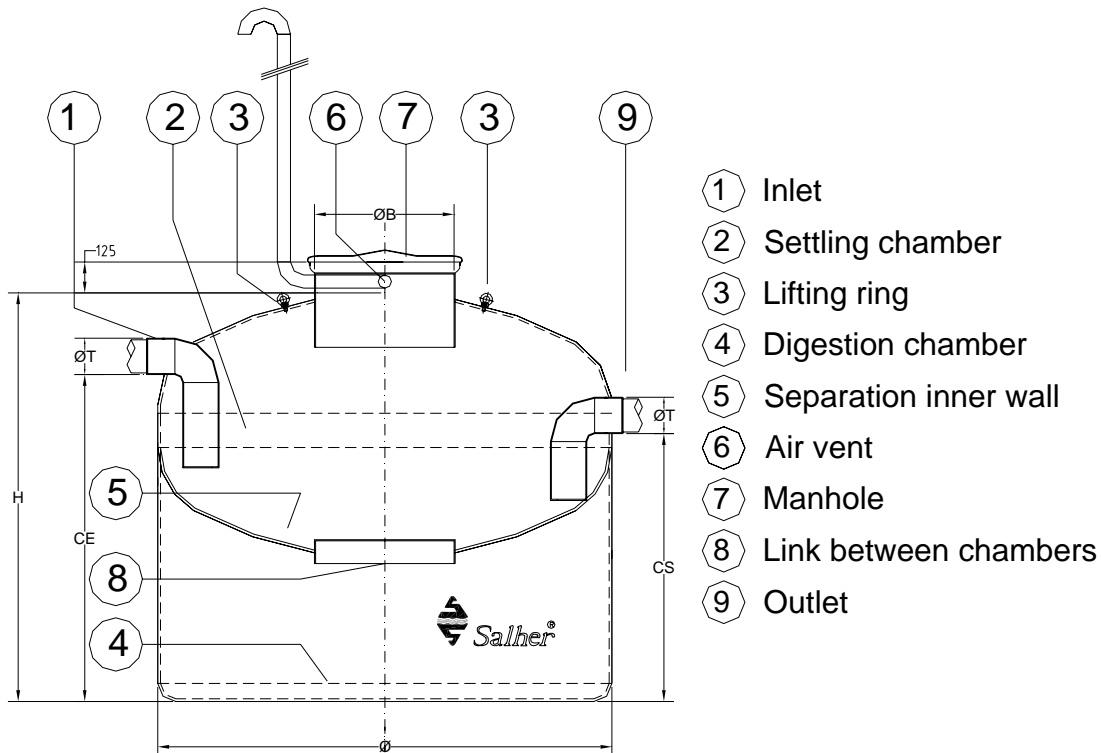
SETTLING-DIGESTION SYSTEM: VERTICAL SEPTIC TANK <5EP
MODEL: CVC-FS

Function:

- Removes suspended solids (SS or SM).

Characteristics:

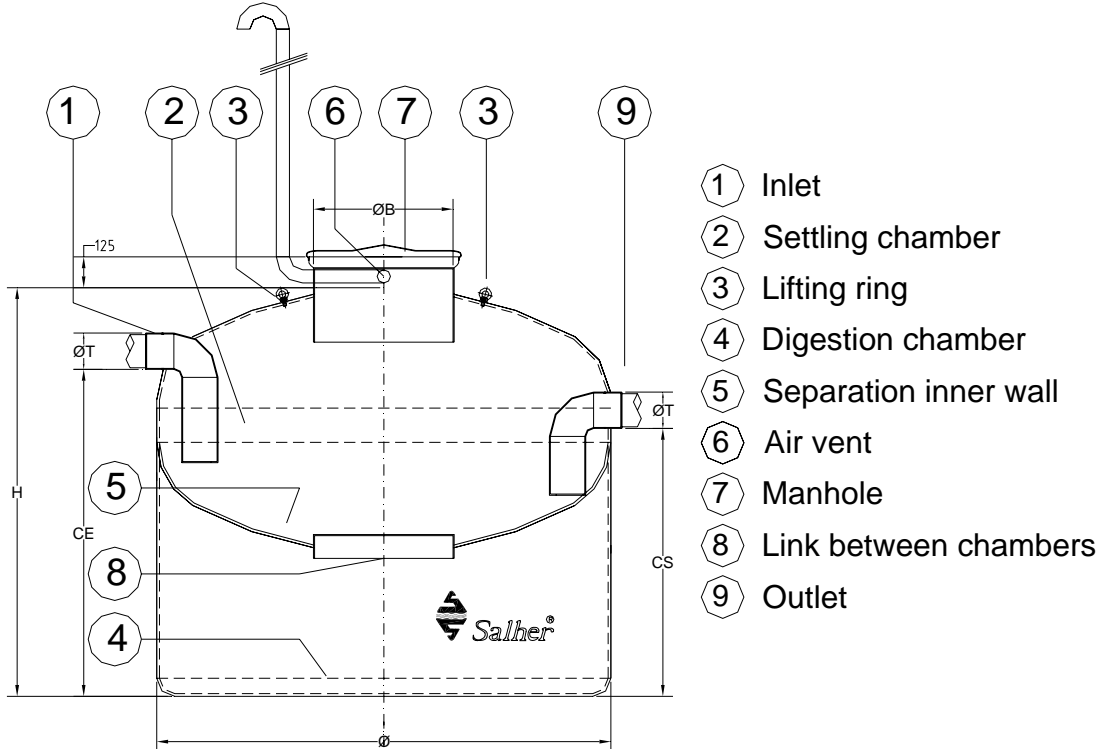
- Manufactured by Salher, Model CVC-FS.
- Made of Fiberglass Reinforced Polyester (FGRP) with orthophthalic resin.
- Suspended solids removal efficiency: 65-70%.
- Organic matter removal efficiency: 30-35% BOD5.
- Settling, digestion and floating particles separation chamber.
- PVC inlet and outlet pipes.
- Access for cleaning through the manhole with upper cover made of Fiberglass Reinforced Polyester. For authorized operating staff. (Option: Upper cover in cast-iron or to screw-down).
- Connection pipe located in the manhole to install the air vent (or possibility to install it in any other place).



- ① Inlet
- ② Settling chamber
- ③ Lifting ring
- ④ Digestion chamber
- ⑤ Separation inner wall
- ⑥ Air vent
- ⑦ Manhole
- ⑧ Link between chambers
- ⑨ Outlet

POP/ EQUIV	CAPACITY [liters]	Ø [mm]	H [mm]	MANHOLE Ø [mm]	PIPE Ø [mm]
2	500	1.000	750	400	125
5	1.000	1.000	1.320	400	125

SETTLING-DIGESTION SYSTEM: VERTICAL SEPTIC TANK <350EP
MODEL: CVC-FS



POP/ EQUIV	CAPACITY [Liters]	Ø [mm]	H [mm]	MANHOLE Ø [mm]	PIPE Ø [mm]	INLET [mm]	OUTLET [mm]
10	1.500	1.400	1.340	500	125		
15	2.250	1.400	1.620	500	125		
20	3.000	1.400	2.040	500	125		
25	3.750	1.700	1.820	500	125		
30	4.500	1.700	2.230	500	125		
35	5.250	1.700	2.490	500	125		
40	6.000	2.000	2.120	500	125		
45	6.750	2.000	2.350	500	125		
50	7.500	2.000	2.590	620	160		
60	9.000	2.000	3.060	620	160		
70	10.500	2.500	2.390	620	160		
80	12.000	2.500	2.700	620	160		
90	13.500	2.500	3.000	620	160		
100	15.000	2.500	3.300	620	200		
125	18.750	2.500	4.070	620	200		
150	22.500	2.500	4.830	620	200		
175	26.250	2.500	5.600	620	200		
200	30.000	2.500	6.360	620	250		
225	33.750	3.000	5.070	620	250		
250	37.500	3.000	5.610	620	250		
275	41.250	3.000	6.140	620	250		
300	45.000	3.000	6.670	620	250		
325	48.750	3.000	7.200	620	250		
350	52.500	3.000	7.730	620	250		

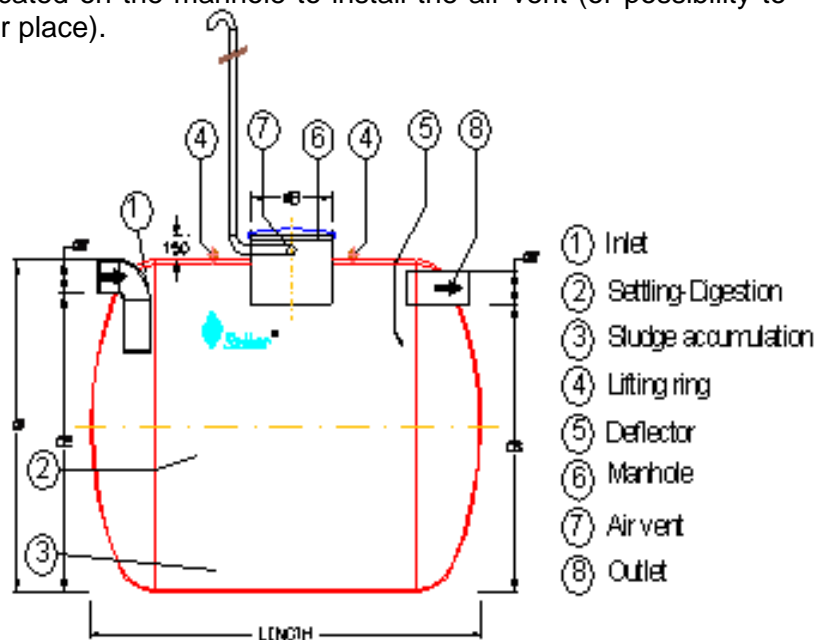
SETTLING-DIGESTION SYSTEM: HORIZONTAL SEPTIC TANK
MODEL: CHC-FS

Function:

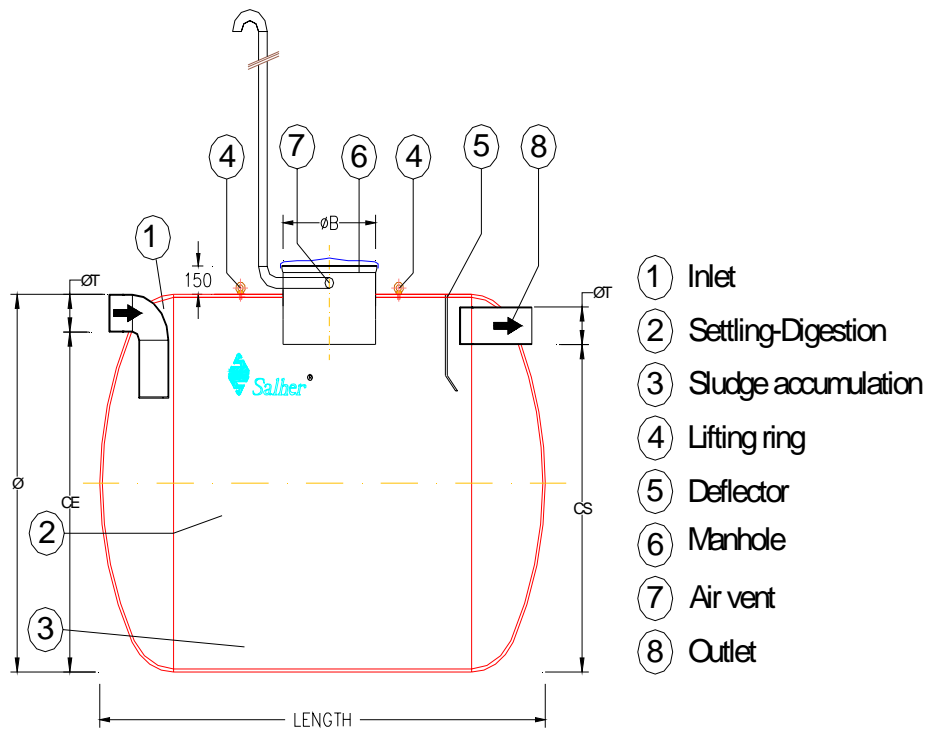
- Remove suspended solids (SS).

Characteristics:

- Manufactured by Salher, Model CHC-FS.
- Made of Fiberglass Reinforced Polyester (FGRP) with orthophthalic resin.
- Suspended solids removal efficiency: 65-70%.
- Organic matter removal efficiency: 30-35% BOD5.
- Settling, digestion and floating particles separation chamber.
- PVC inlet and outlet pipes.
- Access for cleaning purpose through the manhole with upper cover made of Fiberglass Reinforced Polyester. For authorized operating staff.
- Connection pipe located on the manhole to install the air vent (or possibility to install it in any other place).



POP/EQUIV	CAPACITY	Ø	L	MANHOLE Ø	PIPE Ø	CE	CS
50	7.500	2.000	2.790	620	160	1.840	1.790
60	9.000	2.000	3.280	" "	160	1.840	1.790
70	10.500	2.000	3.750	" "	160	1.840	1.790
80	12.000	2.000	4.230	" "	160	1.840	1.790
90	13.500	2.000	4.700	" "	160	1.840	1.790
100	15.000	2.000	5.190	" "	200	1.800	1.750
125	18.750	2.500	4.320	" "	200	2.300	2.250
150	22.500	2.500	5.090	" "	200	2.300	2.250
175	26.250	2.500	5.850	" "	200	2.300	2.250
200	30.000	2.500	6.620	" "	250	2.250	2.150
225	33.750	2.500	7.380	" "	250	2.250	2.150
250	37.500	2.500	8.140	" "	250	2.250	2.150
275	41.250	2.500	8.910	" "	250	2.250	2.150
300	45.000	2.500	9.670	" "	250	2.250	2.150



POP/ EQUIV	CAPACITY	Ø	LENGTH	MANHOLE Ø	PIPE Ø	CE	CS
325	48.750	2.500	10.440	" "	250	2.250	2.150
350	52.500	2.500	11.200	" "	250	2.250	2.150
375	56.250	2.500	11.960	" "	250	2.250	2.150
400	60.000	2.500	12.730	" "	300	2.185	2.085
425	63.750	2.500	13.490	" "	300	2.185	2.085
425	63.750	3.000	9.150	" "	300	2.685	2.585
450	67.500	2.500	14.260	" "	300	2.185	2.085
450	67.500	3.000	9.910	" "	300	2.685	2.585
475	71.250	2.500	15.020	" "	300	2.185	2.085
475	71.250	3.000	10.520	" "	300	2.685	2.585
500	75.000	2.500	15.780	" "	300	2.185	2.085
500	75.000	3.000	11.190	" "	300	2.685	2.585
550	82.500	3.000	12.280	" "	300	2.685	2.585
600	90.000	3.000	13.340	" "	300	2.685	2.585
650	97.500	3.000	14.400	" "	300	2.685	2.585
700	105.000	3.000	15.460	" "	300	2.685	2.585
750	112.500	3.000	16.520	" "	300	2.685	2.585
800	120.000	3.000	17.580	" "	300	2.685	2.585
850	127.500	3.000	* 19.600	" "	300	2.685	2.585
900	135.000	3.000	* 19.700	" "	300	2.685	2.585
950	142.500	3.000	* 20.760	" "	300	2.685	2.585
1.000	150.000	3.000	* 21.830	" "	300	2.685	2.585

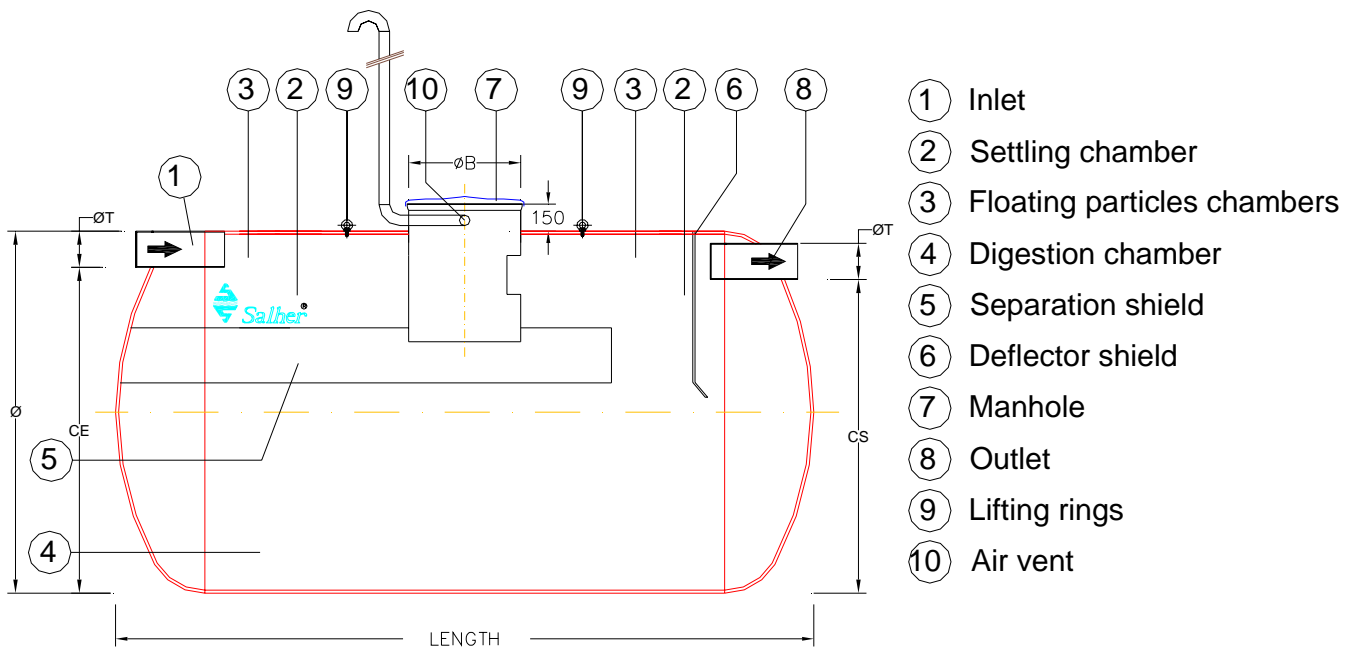
SETTLING-DIGESTION SYSTEM: IMHOFF TANK
MODEL: CHC-IMH

Function:

- Remove suspended solids.

Characteristics:

- Manufactured by Salher, Model CHC-IMH.
- Made of Fiberglass Reinforced Polyester (FGRP) with orthophthalic resin.
- Suspended solids removal efficiency: 70-75%.
- Organic matter removal efficiency: 35-40% BOD5.
- Settling, digestion and floating particles separation chamber.
- PVC inlet and outlet pipes.
- Access for cleaning purpose through the manhole with upper cover made of Fiberglass Reinforced Polyester. For authorized operating staff. (Option: Upper cover in cast-iron or to screw-down).
- Connection pipe located on the manhole to install the air vent (or possibility to install it in any other place).



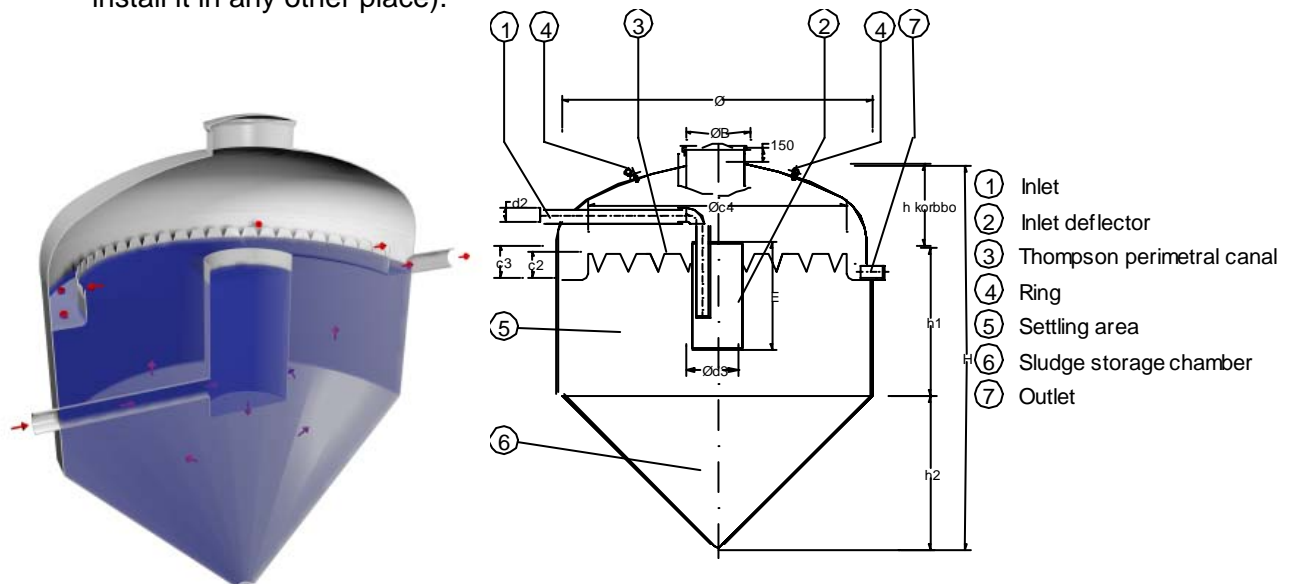
POP/ EQUIV	CAPACITY [Liters]	Ø [mm]	LENGTH [mm]	MANHOLE Ø [mm]	PIPE Ø [mm]	INLET [mm]	OUTLET [mm]
50	7.500	2.000	2.790	620	160	1.840	1.790
60	9.000	2.000	3.280	" "	160	1.840	1.790
70	10.500	2.000	3.750	" "	160	1.840	1.790
80	12.000	2.000	4.230	" "	160	1.840	1.790
90	13.500	2.000	4.700	" "	160	1.840	1.790
100	15.000	2.000	5.190	" "	200	1.800	1.750
125	18.750	2.500	4.320	" "	200	2.300	2.250
150	22.500	2.500	5.090	" "	200	2.300	2.250
175	26.250	2.500	5.850	" "	200	2.300	2.250
200	30.000	2.500	6.620	" "	250	2.250	2.200
225	33.750	2.500	7.380	" "	250	2.250	2.200
250	37.500	2.500	8.140	" "	250	2.250	2.200
275	41.250	2.500	8.910	" "	250	2.250	2.200
300	45.000	2.500	9.670	" "	250	2.250	2.200
325	48.750	2.500	10.440	" "	250	2.250	2.200
350	52.500	2.500	11.200	" "	250	2.250	2.200
375	56.250	2.500	11.960	" "	250	2.250	2.200
400	60.000	2.500	12.730	" "	300	2.185	2.135
425	63.750	2.500	13.490	" "	300	2.185	2.135
450	67.500	2.500	14.260	" "	300	2.185	2.135
475	71.250	2.500	15.020	" "	300	2.185	2.135
500	75.000	2.500	15.780	" "	300	2.185	2.135
550	82.500	3.000	12.280	" "	300	2.685	2.635
600	90.000	3.000	13.340	" "	300	2.685	2.635
650	97.500	3.000	14.400	" "	300	2.685	2.635
700	105.000	3.000	15.460	" "	300	2.685	2.635
750	112.500	3.000	16.520	" "	300	2.685	2.635
800	120.000	3.000	17.580	" "	300	2.685	2.635
850	127.500	3.000	* 19.600	" "	300	2.685	2.635
900	135.000	3.000	* 19.700	" "	300	2.685	2.635
950	142.500	3.000	* 20.760	" "	300	2.685	2.635
1.000	150.000	3.000	* 21.830	" "	300	2.685	2.635

CLOSED SETTling TANK
MODEL: CVC-DC-TC
Function:

- Remove suspended solids.

Characteristics:

- Manufactured by Salher, Model CVC-DC-TC.
- Made of Fiberglass Reinforced Polyester (FGRP) with orthophthalic resin.
- Suspended solids removal efficiency: 65-70%.
- Organic matter removal efficiency: 30-35% BOD5.
- Geometric form: Conical.
- Central supply chamber and Thompson canal.
- PVC inlet and outlet pipes.
- Connection pipe located on the manhole to install the air vent (or possibility to install it in any other place).



MAIN CYLINDER					HEIGHT			CANAL				CAPACITY IN LITERS
φD	φd1	φd2	φd3	E	h1	h2	H	c1	c2	c3	c4	
1.000	75	75	300	700	800	500	1.563	100	150	300	750	750
1.200	75	75	300	700	800	600	1.720	100	150	300	1.000	1.130
1.400	90	90	300	700	800	700	1.870	100	150	300	1.200	1.590
1.700	90	90	400	900	1.000	850	2.300	150	200	300	1.400	2.910
2.000	110	110	500	900	1.000	1.000	2.530	150	200	300	1.700	4.190
2.500	160	160	620	1.000	1.200	1.250	3.110	250	250	350	2.000	7.930
3.000	160	160	690	1.200	1.400	1.500	3.700	250	250	350	2.500	13.420
3.500	200	200	750	1.400	1.600	1.750	4.265	250	300	400	3.000	21.000
4.000	200	200	1.000	1.600	1.800	2.000	4.840	250	300	400	3.500	30.980

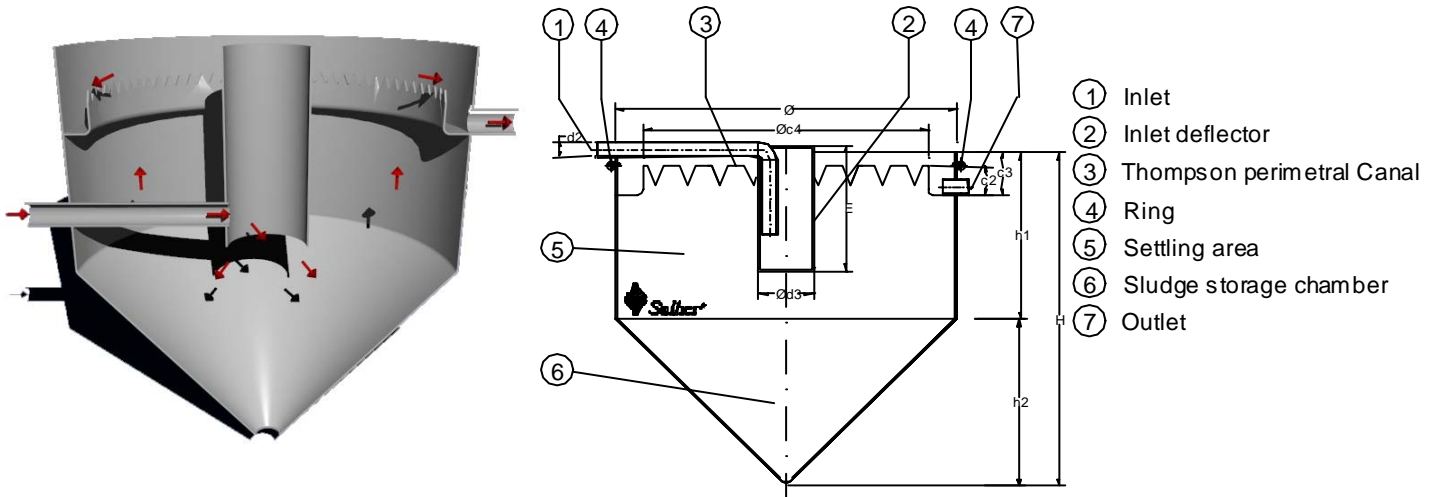
OPEN SETTLING TANK
MODEL: CVA – DC - TC

Function:

- Remove suspended solids.

Characteristics:

- Manufactured by Salher, Model CVA - DC – TC.
- Made of Fiberglass Reinforced Polyester (FGRP) with orthophthalic resin.
- Suspended solids removal efficiency: 65 – 70% SS.
- Organic matter removal efficiency: 30 – 35% BOD5.
- Geometric form: Conical.
- Central supply chamber and Thompson canal.
- PVC inlet and outlet pipes.
- Connection pipe located on the manhole to install the air vent (or possibility to install it in any other place).



Main Cylinder					Partial Heights			CANAL				CAPACITY IN LITERS
φD	φd1	φd2	φd3	E	h1	h2	H	c1	c2	c3	c4	
1.000	75	75	300	700	800	500	1.300	100	150	300	750	750
1.200	75	75	300	700	800	600	1.400	100	150	300	1.000	1.130
1.400	90	90	300	700	800	700	1.500	100	150	300	1.200	1.590
1.700	90	90	400	900	1.000	850	1.850	150	200	300	1.400	2.910
2.000	110	110	500	900	1.000	1.000	2.000	150	200	300	1.700	4.190
2.500	160	160	620	1.000	1.200	1.250	2.450	250	250	350	2.000	7.930
3.000	160	160	690	1.200	1.400	1.500	2.900	250	250	350	2.500	13.420
3.500	200	200	750	1.400	1.600	1.750	3.350	250	300	400	3.000	21.000
4.000	200	200	1.000	1.600	1.800	2.000	3.800	250	300	400	3.500	30.980

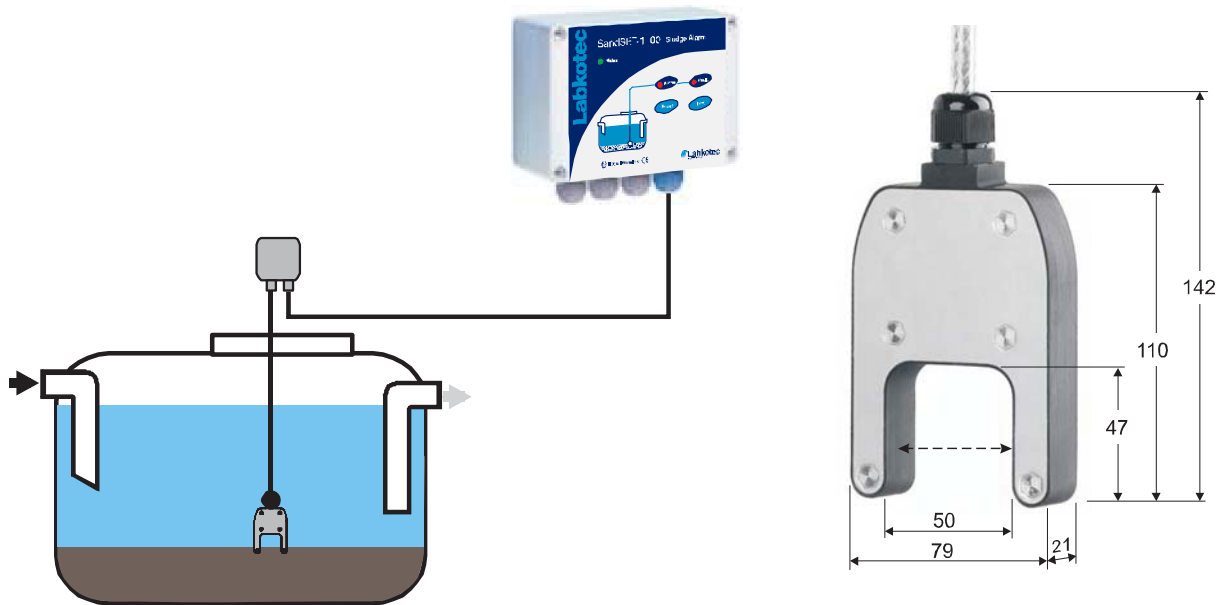
SANDS AND SOLID PARTICLES DETECTION ALARM
MODEL: SAND-SET 1000

Function:

- Detect sand and sludge level. To be installed in grit chambers and settling tanks. Working temperature between -20 and 40°C.

Characteristics:

- Manufactured by Salher, Model SAND SET 1000.
- Ultrasonic probe for detection of sand and solid particles, adjustable height, manufactured from AISI 316, protection degree IP68, measurement: 265 x 320 mm, installed in grit chambers and settling tanks of solid particles with outlet R 3/4 inch, of 1.4 kg mass.
- Junction box to allow the extension of the cable. Protection degree IP67.
- Inspection unit sized 175 x 125 x 75 mm made of PVC, IP65 protection degree, with acoustic and visual alarm, 2 cable outlets and power supply 230V 50Hz.
- Resistant to oil of 3 x 0, 5mm² section, of 5m standard length, optionally maximum 150 meters length.



RÉF.

SAND SET 1000