

SLUDGE TREATMENT

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All equipments are made of Fiberglass Reinforced Polyester (FGRP) and fit for any kind of treatment:

- Settling-Clarification process for urban and industrial wastewaters.
- Sludge concentration process for urban and industrial wastewaters.

General characteristics:

- Made of FGRP.
- Thompson canal.
- Central cylindrical deflector.
- PVC or FGRP inlet and outlet pipes.
- 90° cone angle.
- Automatic system (Optional).

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.

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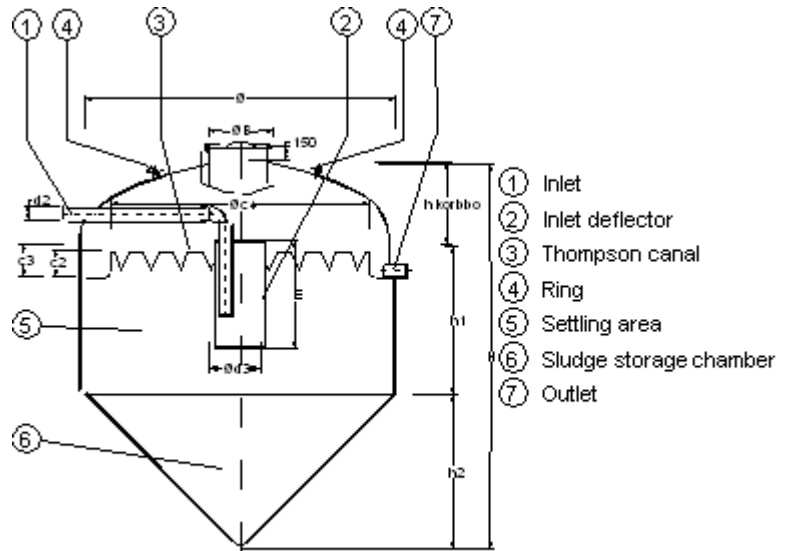
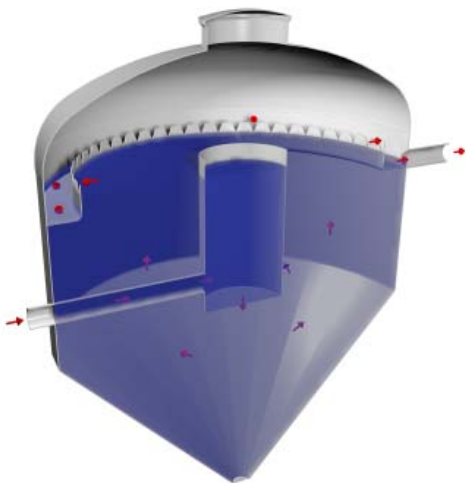
CLOSED STATIC SETTLING TANK
MODEL: CVC-DC-TC

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 perimetral 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 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

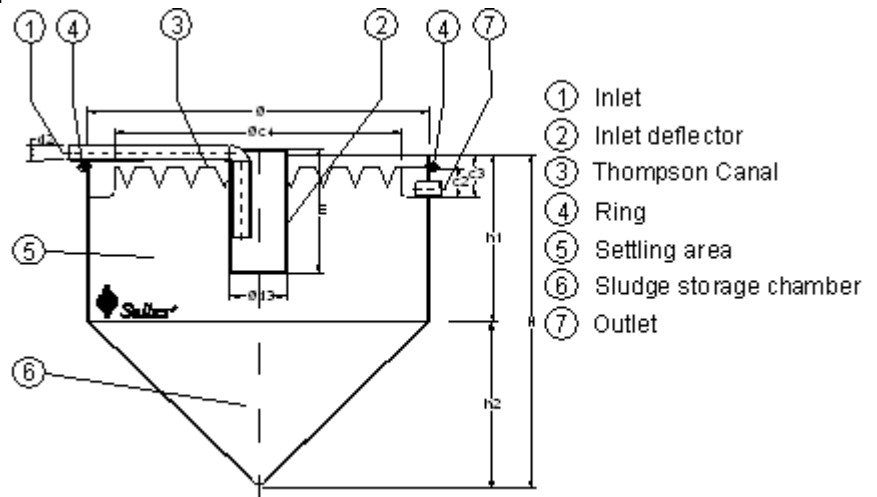
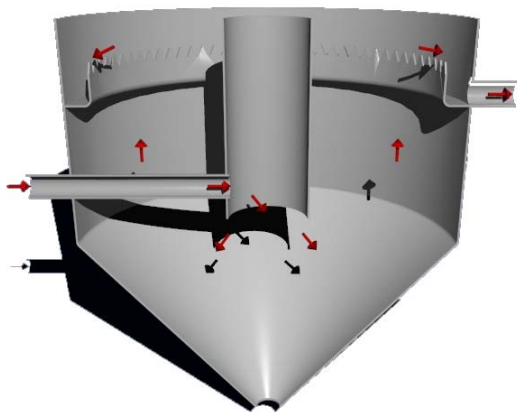
OPEN STATIC SETTLING TANK
 MODEL: CVA – DC - TC

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% DBO5.
- 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).



- ① Inlet
- ② Inlet deflector
- ③ Thompson Canal
- ④ Ring
- ⑤ Settling area
- ⑥ Sludge storage chamber
- ⑦ Outlet

MAIN CYLINDER					PARTIAL 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	1.300	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

GRAVITY SLUDGE THICKENER

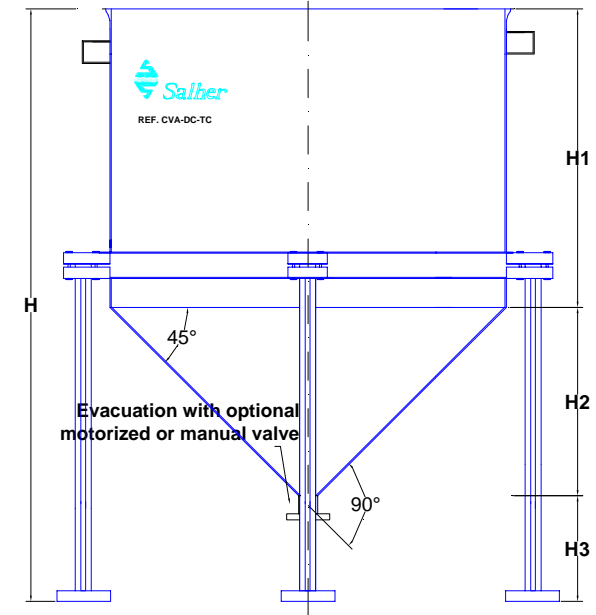
MODEL: C.V.A-E-TC

Due to the broad range of equipments, we can deliver underground, above ground, open or closed thickeners.

This table shows open models, with metallic supports for an above ground installation, outlet and inlet pipes and lower evacuation pipe.

In option (please refer to annex page):

- Ladder with rail.
- Tramex for upper part.
- Upper rail.
- Manual or motorized drain valve.
- Agitator.



CENTRAL CYLINDER					PARTIAL HEIGHT				PIPE				CAPACITY [Liters]
φD	φd1	φd2	φd3	E	h1	h2	h3	H	c1	c2	c3	c4	
2.000	200	90	500	700	1.600	1.000	500	3.100	150	200	300	1.700	6.000
2.500	200	90	620	700	1.620	1.250	500	3.370	250	250	350	2.000	10.000
3.000	200	90	620	700	1.620	1.500	500	3.620	250	250	350	2.500	15.000
3.500	200	90	620	700	2.020	1.750	500	4.270	250	300	400	3.000	25.000
4.000	200	90	620	700	2.520	2.000	500	5.020	250	300	400	3.500	40.000

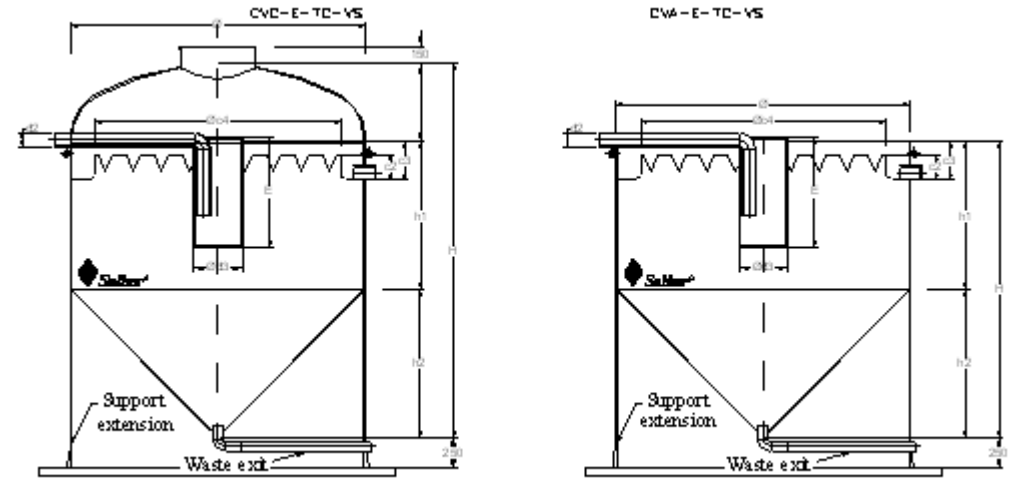
INNER SIZE IN MILLIMETERS

CLOSED GRAVITY THICKENERS WITH FERRULE SUPPORT
 MODEL: C.V.C-E-TC-VS AND C.V.A.-E-TC-VS

Open or closed sludge thickeners for above ground installation using ferrule supports.

In option (please refer to annex page):

- Ladder with rail.
- Tramex for upper part.
- Upper rail.
- Manual or motorized drain valve.
- Agitator.



CENTRAL CYLINDER					PARTIAL HEIGHT				PIPE				CAPACITY [Liters]
φD	φd1	φd2	φd3	E	h1	H2	H CVC	H CVA	c1	c2	c3	c4	
1.400	200	90	300	500	1.750	850	2.800	2.450	150	200	300	1.200	3.000
1.700	200	90	400	500	1.500	850	2.785	2.350	150	200	300	1400	4.000
2.000	200	90	500	700	1.300	1.000	2.810	2.300	150	200	300	1.700	5.000
2.000	200	90	500	700	1.600	1.000	3.610	3.100	150	200	300	1.700	6.000
2.500	200	90	620	700	1.620	1.250	3.945	3.370	250	250	350	2.000	10.000
2.500	200	90	620	700	2.650	1.250	4.475	3.900	250	250	350	2.000	15.000
3.000	200	90	620	700	1.620	1.500	4.260	3.620	250	250	350	2.500	15.000
3.000	200	90	620	700	2.350	1.500	4.490	3.850	250	250	350	2.500	20.000
3.000	200	90	620	700	3.050	1.500	5.190	4.550	250	250	350	2.500	25.000

PLATFORM FOR OPEN SLUDGE THICKENERS

MODEL: PASARELA

All platforms are in grey color.

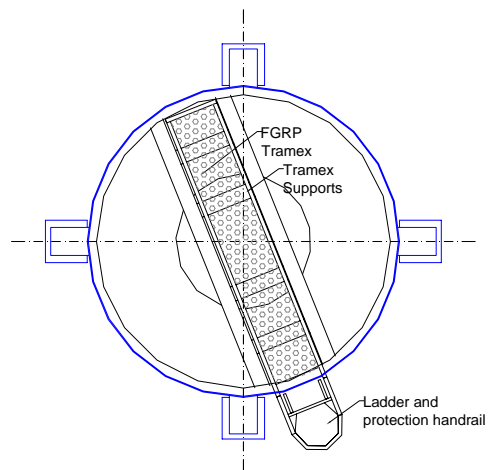
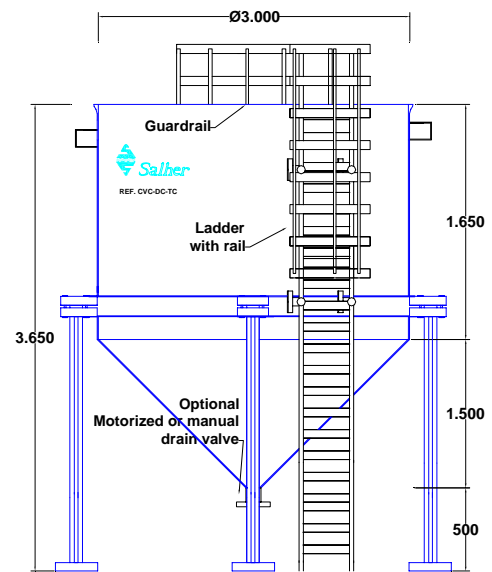
Platform base is made with U profile, sized 90 x 35 x 8 with tramex grating of 26mm.

Guardrail height is 1050mm starting from the grating.

All fastenings and accessories are made of AISI 316 stainless steel.

All platforms are delivered pre-assembled and drilled for easier installation in settling tank.

- Ladder with rail.
- Tramex upper part.
- Upper guardrail.



PLATFORMS

Ø D
1.700
2.000
2.500
3.000
3.500
4.000

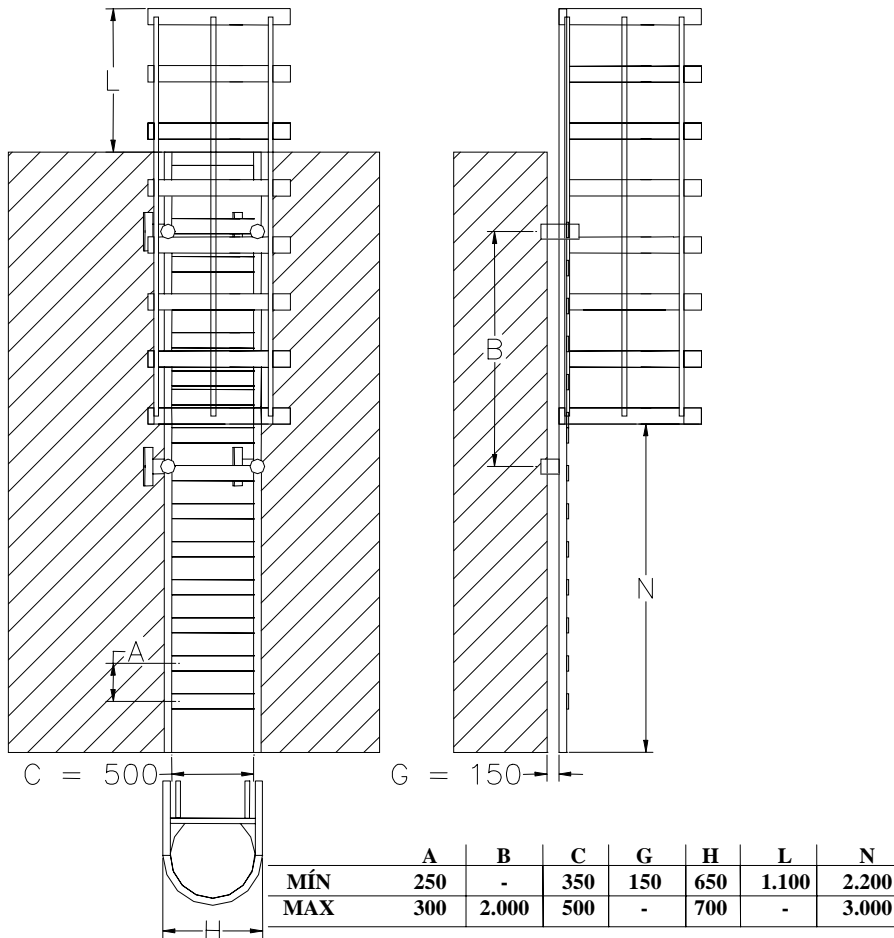
DIAMETER IN MILLIMETERS.

LADDER WITH RAIL AND EXIT SYSTEM

MODEL: EQ-P

Ladders made of Fiberglass Reinforced Polyester (FGRP) with isophthalic resin and excellent resistance against corrosion.

- Ladder with rail.
- Exit system at the upper part of the ladder giving access to the platform.



HEIGHT [in meters]

2 à 3

3 à 3,5

3,5 à 4

4 à 4,5

4,5 à 5

5 à 5,5

SLUDGE DEWATERING BY USE OF FILTER BAGS

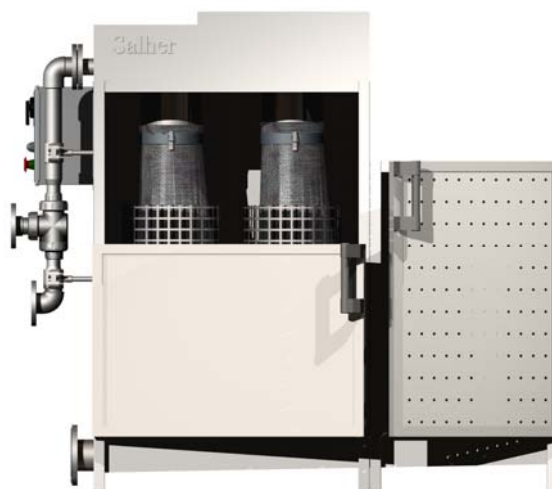
MODEL: FILSA

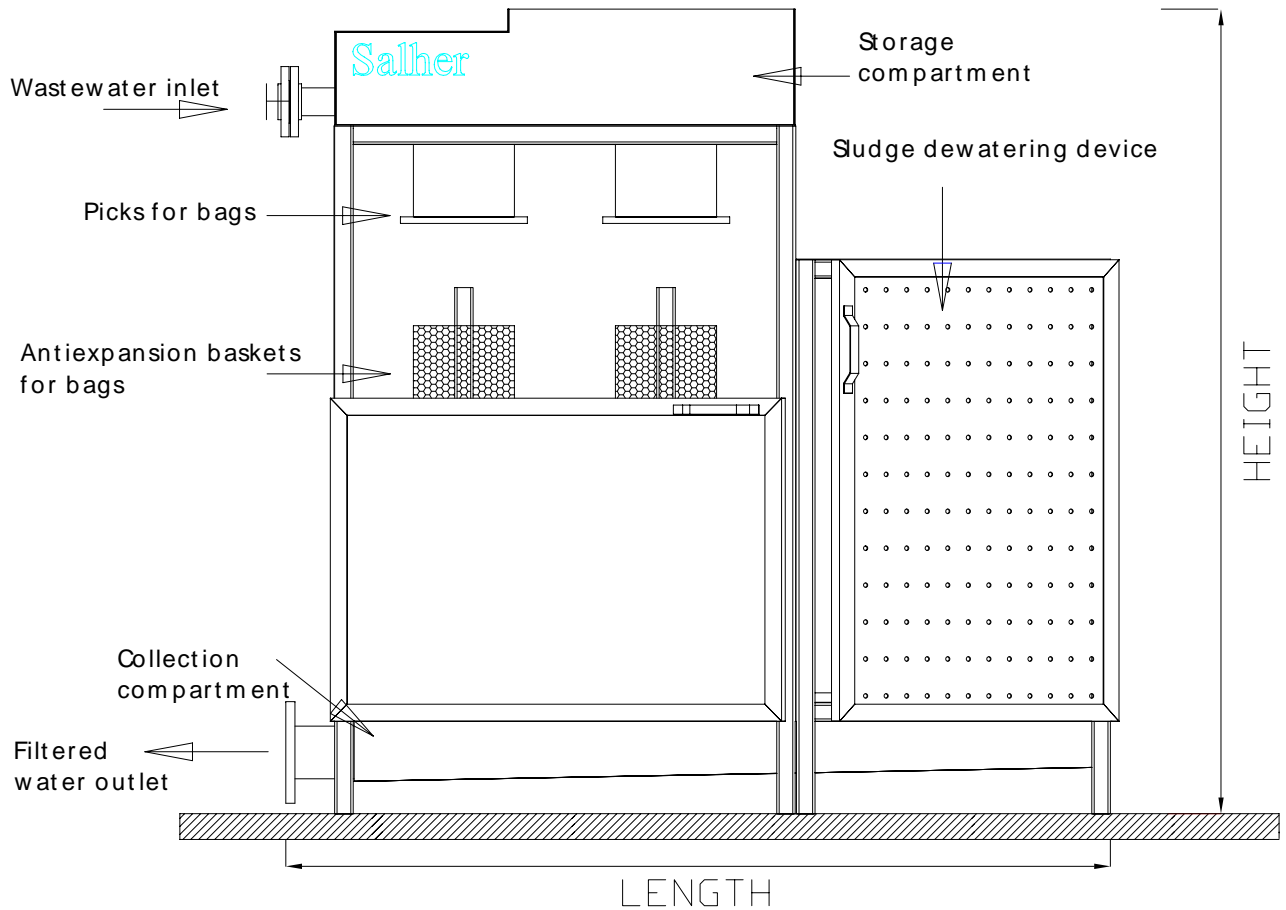
Function:

- Sludge removal and dewatering coming from small and medium sized treatment plants.
- Once the bags have separated the major part of the sludge from water, they settle in the drying area for the final dewatering phase.

Characteristics:

- Bags made with a porous matter to allow the water and drying air passage, and prevent in the same time from the clogging of the retained solids.
- Made of AISI 304 stainless steel.
- Filter bags made via drying and fixing process.
- Motorized valve with security lock and subsidiary valve.
- Level probe connected to an instrumentation board.
- The filtration process is automatic and its filling is made by gravity.
- Low maintenance and power costs.
- High efficiency, allows to obtain dry matter between 10 and 20% after a few hours, and dry matter between 40 and 80% after outdoor storage.





MODEL	BAGS NUMBER	WIDTH [mm]	HEIGHT [mm]	LENGTH [mm]	MAX. FLOW [m3/h]	CE Ø [inch]	CS Ø [inch]
FILSA – 02	2	760	1.500	1.700	2	2	4
FILSA – 04	4	1.500	1.500	1.700	4	2	4

*FOR DIFFERENT FLOW OR NUMBER OF BAGS, PLEASE CONSULT US.