

## COMBINED PRETREATMENT UNIT

### GENERAL FEATURES

The entrance of the liquid to be treated can take place via gravity or by a pressurized pipeline according to the needs.

Suspended solids contained in the incoming sewage and deposited on the holes of the screw screen, causing the raising of the level which has the effect to activate the sensor that make start the screen.

Through the screening, the suspended solids are screened so they can be washed (optional) to reduce the content of organic matter, after which they flow into the portion conveyor-compactor, on request, along this stretch can be made a further wash the grille.

The liquid from the screw screen flows in the hopper of sedimentation, there occurs the separation of the sands. In the sedimentation tank through the air diffusers, air is blown so as to facilitate and maximize the sedimentation of the sand. The release of air in the diffusers is synchronized with the entry of the liquid? The sand deposited along the tank is conducted into the hopper of accumulation, from there a screw extractor carries, dehydrates and subsequently discharge it through the chute place to end of the extractor.

The water level in the settling tank is predetermined to optimize the separation of the sands.

On request it is possible to provide an electrical panel that manages the functionality of the machine is with timer with both level sensors.

### ADVANTAGES

Shaftless spiral: no blocking and clogging even in the presence of fibrous products

No mechanical parts in contact with product

Reduced speed of rotation

Reduction of up to 40% and more, depending on the product of the gratings  
low investment

No civil work required

Low installation costs

Low maintenance costs

Low space requirements

Low- volume products to be disposed of

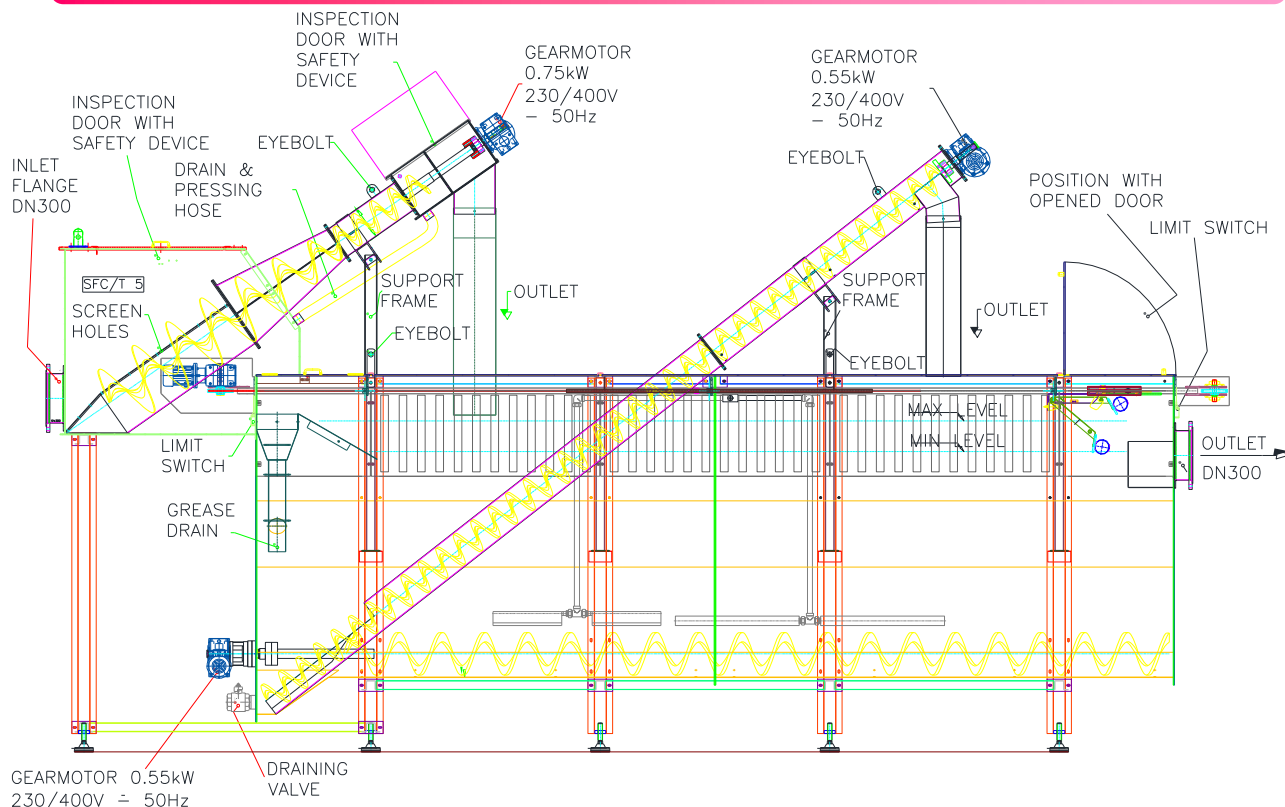
No feed pump required

### CONSTRUCTIONAL FEATURES

- Built entirely of stainless steel AISI 304 or request in AISI 316; SCREW AISI 304 laps lenses;
- DRAINING ROOMS AND COMPACTION, wrapped in a grid with a semi-cylindrical drilling in the end or stainless steel sheet for the draining of the liquid part;
- WASHING SYSTEMS through nozzles for the cleaning of the holes of the draining zone and of the inlet and accumulation tanks ;
- DRIVE by motors through direct coupling;
- DISCHARGE of compacted material with continous bagging ;
- TANK STORAGE: in AISI304 or on request in AISI 316 stainless steel, on request with centrifugal pump to transfer the sewage tank pretreatment;



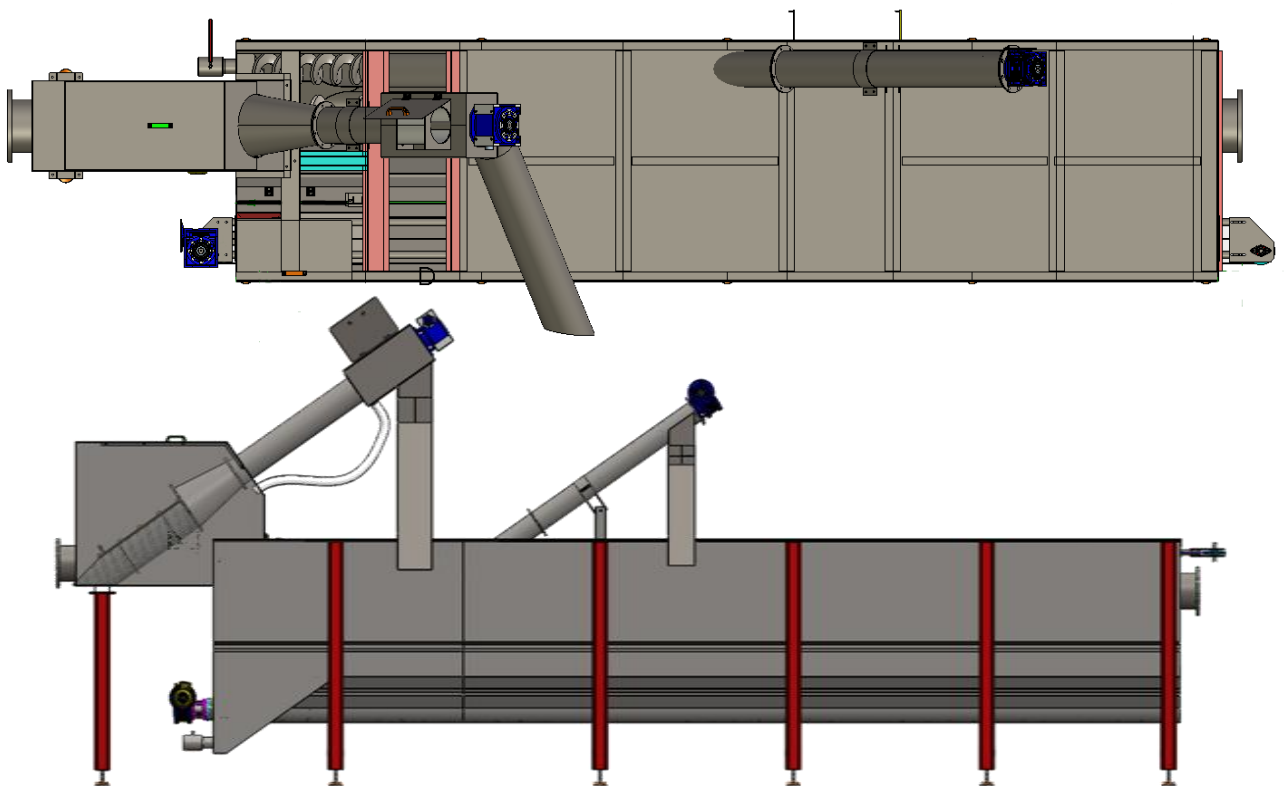
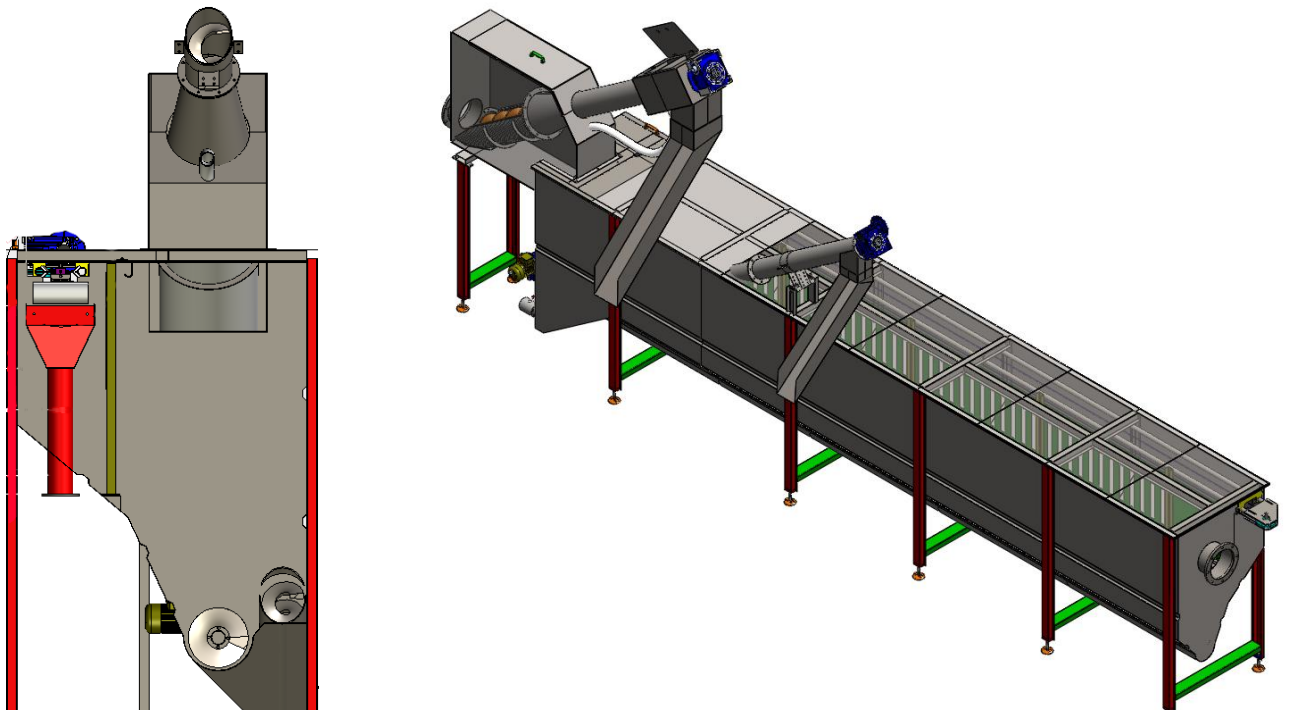
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FEATURES	U.M.	UCP 20	UCP 40	UCP 60
Total length of the tank L	mm	2960	5180	7400
Length of the space L3	mm	3120	5460	7800
Width of the grilling hot L2	mm	450	450	600
Width of the grit removal tank L5	mm	580	1015	1450
Max height H2	mm	1780	3115	4450
Height of drain grating H1	mm	1400	2450	3500
Height of the tank Filtration H3	mm	488	854	1220
Height of the tank grit chamber H5	mm	768	1344	1920
Height of sewage input H1	mm	880	1540	2200
Height of the outgoing sewage H0	mm	780	1365	1950
grid spacing	mm	2-12		
installed power	Kw	2,5	3,5	4
maximum flow	mc /h	72	144	216

*La società si riserva la facoltà di apportare modifiche e/o migliorie senza alcun preavviso.*

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*The company reserves the right to make changes and / or improvements without notice.*