GRITS AND GREASES REMOVAL

DEGREASING BRIDGE - LONGITUDINAL Type: MR16

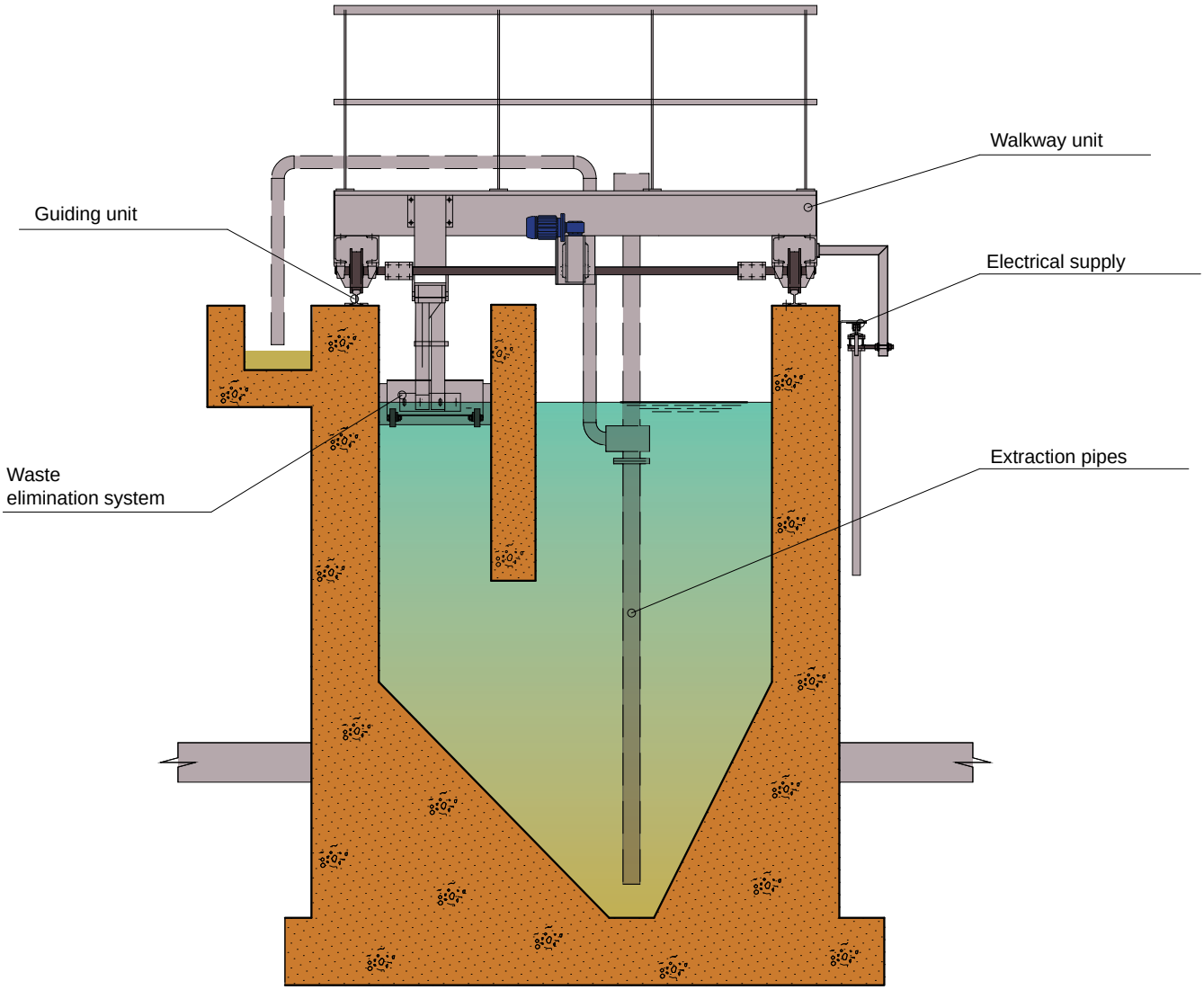
Device designed and adapted for removal of grits and floating substances in rectangular pre-treatment tanks.

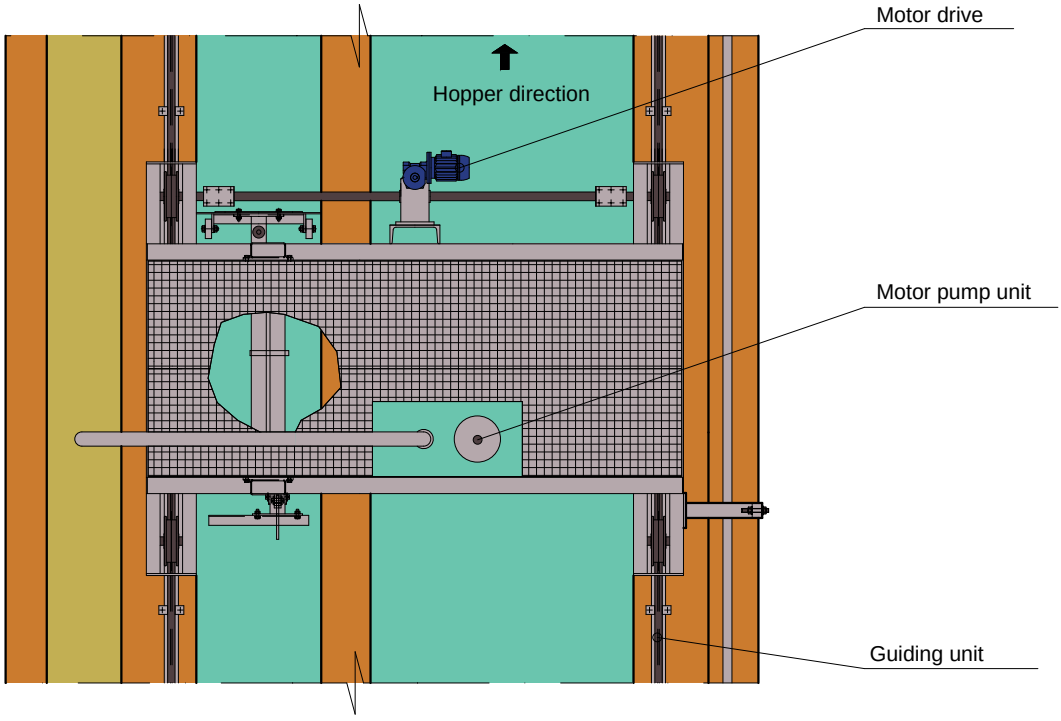
Descriptions and Features:

- **Walkway unit.** Built with steel plate, drawer type (low profile) and with stainless steel railway on both sides. Galvanised metal or GFRP lattice work for passage. Connected motorised unit on both sides of the walkway.
- **Motor drive**. Consisting of a geared motor that operates the primary axle. Power wheels mounted on its ends. Those wheels, like the drive wheels, are completely metallic so they can move through rails.
- **Guiding unit.** Through rails anchored to the top slab, on both sides of the side walls and along the longitudinal direction of the enclosure.
- **Waste elimination system.** Consisting of two scrapers that sweep the fat area, moving the fat towards one of the ends of the enclosure where they are poured into a hopper. The layout of the scrapers eliminates the possibility of dead areas. The entire unit hangs from the walkway. The operation is mechanic but, depending on the side of the scrapers, it can work via electric traction.
- **Motor pump unit and extraction pipes.** Consisting of a vertical motor pump, installed on the walkway of the bridge. (Not included in the supply).
- **Electrical supply system.** To be installed along the enclosure and on one external side. Provides electrical supply to the manoeuvring cabinet, based on a foldable cable attached to carts that move along a metallic guide.
- **Control equipment** (optional). A switchboard controls the entire automatic operation of the equipment, with inductive end stops that control the forward and backward movement of the unit. It is also used to operate the grit removal motor pump based on the direction of the bridge.







Walkway unit
Guiding unit
Electrical supply
Waste
elimination system
Extraction pipes


Motor drive
Hopper direction
Motor pump unit
Guiding unit

GRITS AND GREASES REMOVAL

GREASE CONCENTRATOR WITH TANK Type: MR08D

GREASE CONCENTRATOR WITH TANK type MR08D

Unit designed to remove grease and floating substances from the surface of the water, which generally come from a degritting-degreasing process, an elutriation process, etc.

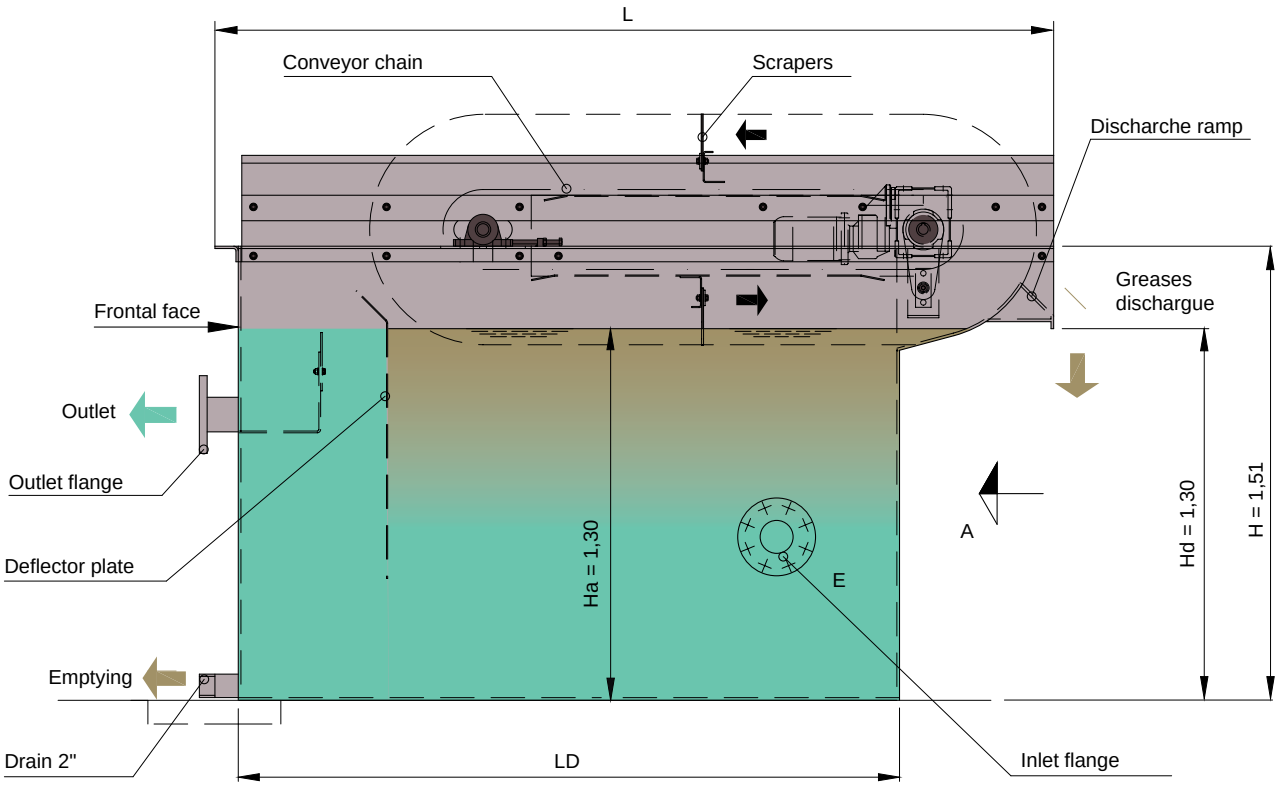
Single-block unit, based on a system of two conveyor belts that move scrapers that sweep the surface, thus pouring the grease. The sweeping device is installed on the upper part of the metal barrel.

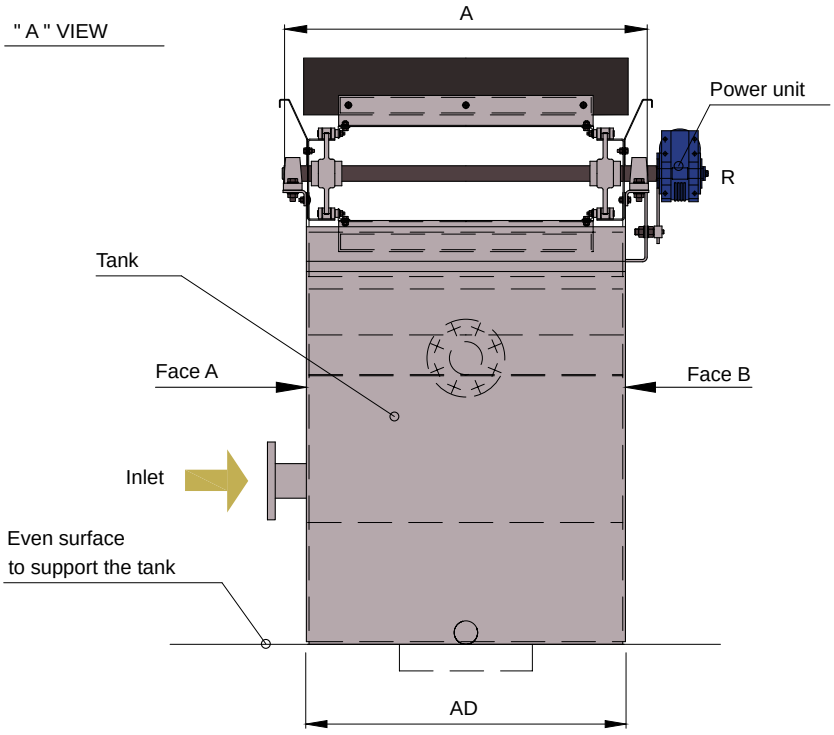
Description and Features:

- **Tank**. Metal stainless steel plate barrel that serves to support all moving elements. With a deflector, a discharge ramp and inflow, outflow and emptying flanges.

- **Power unit.** Consisting of a geared motor unit and a drive axle that operates a set of gears, geared with two lateral conveyor belts where the surface sweeping scrapers are attached.

- **Surface scrapers.** Built in stainless steel plate. Flexible material adjustable profiles are mounted on them, resulting in a proper adaptation to the sides of the enclosure and the discharge ramp.





DIMENSIONS								
TYPE	072x179	082x179	102x204	132x204	132x242	162x242	172x293	212x293
Max flow (m³/h)	12,00	15,00	20,00	25,00	30,00	40,00	50,00	60,00
Power (C.V.)	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25
Inlet flange	DN 80	DN 80	DN 80	DN 80	DN 80	DN 100	DN 100	DN 125
Outlet flange	DN 80	DN 80	DN 80	DN 100	DN 100	DN 100	DN 125	DN 150
Exterior width A	0,72	0,82	1,02	1,32	1,32	1,62	1,72	2,12
Interior width AD	0,60	0,70	0,90	1,20	1,20	1,50	1,60	2,00
Exterior height L	1,79	1,79	2,04	2,04	2,42	2,42	2,93	2,93
Interior height LD	1,33	1,33	1,58	1,58	1,96	1,96	2,47	2,47

Dimensions in meters

GRITS AND GREASES REMOVAL

GREASE CONCENTRATOR Type: MR08N

GREASE CONCENTRATOR type MR08N

Unit designed to remove grease and floating substances on the surface of the water, which generally come from a degritting-degreasing process, an elutriation process, etc.

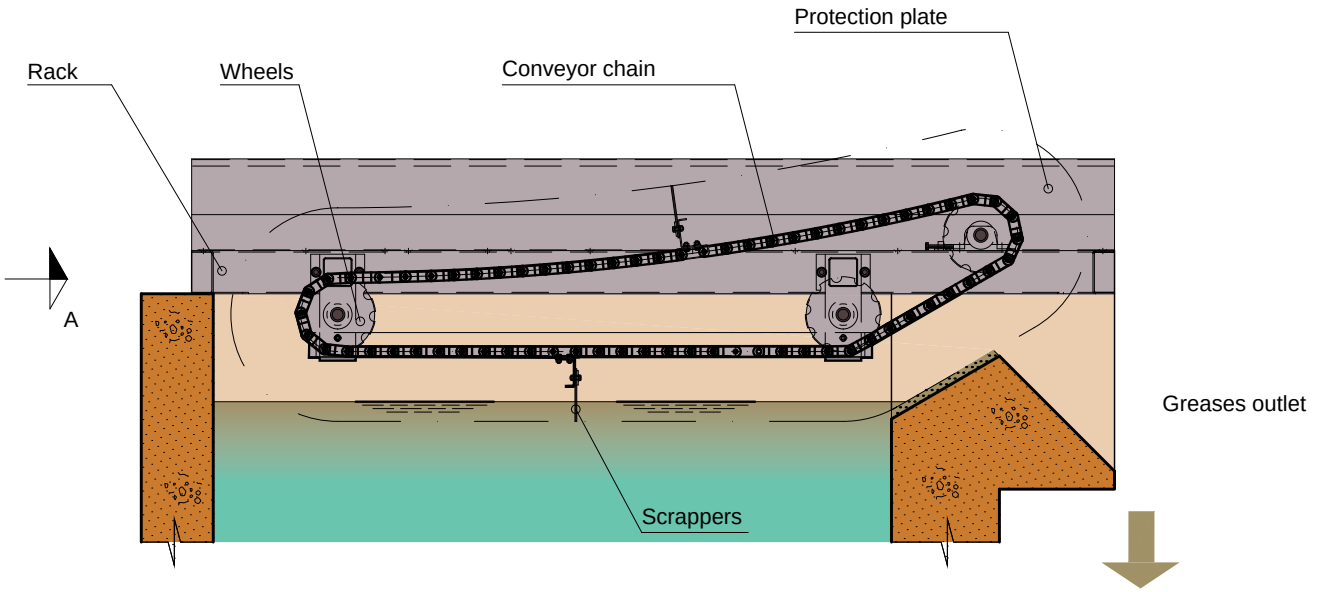
Single-block unit, based on a system of two conveyor belts that move scrapers that sweep the surface, thus pouring the grease. The sweeping device is installed on the concrete enclosure.

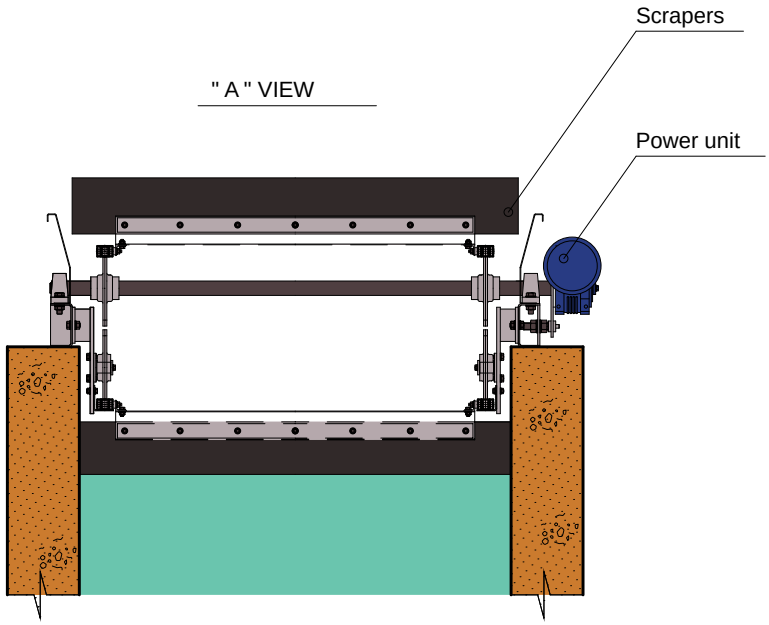
Description and Features:

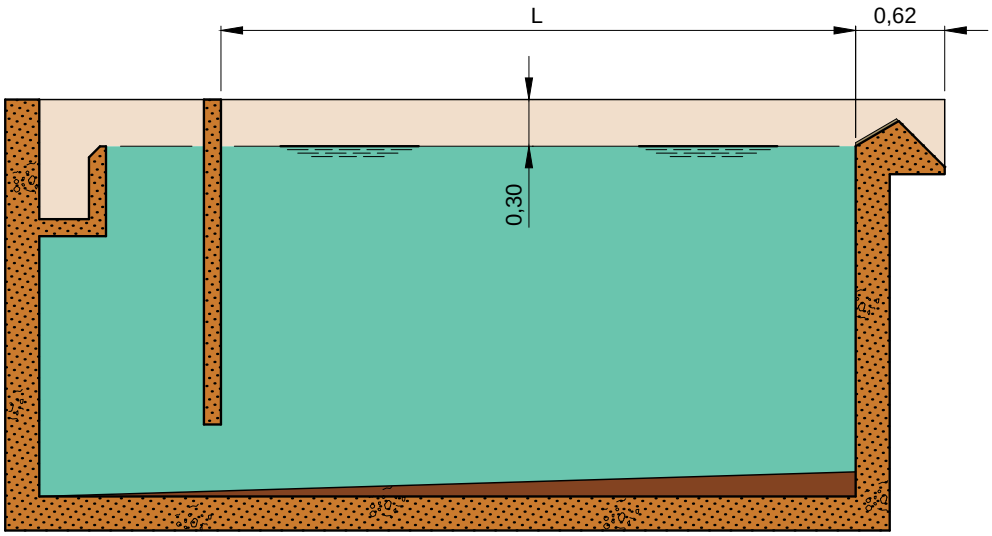
- **Rack.** Single-block type, resulting in a stable and resistant unit. Built in steel plates, supports all moving elements.

- **Power unit.** Consisting of a geared motor unit and a drive axle that operates a set of gears, geared with two lateral conveyor belts where the surface sweeping scrapers are attached.

- **Surface scrapers.** Built in stainless steel plate. Flexible material adjustable profiles are mounted on them, resulting in a proper adaptation to the sides of the enclosure and the discharge ramp.







Dimensions in meters

GRITS AND GREASES REMOVAL

WORM DRIVE GRIT REMOVER Type: MR37T

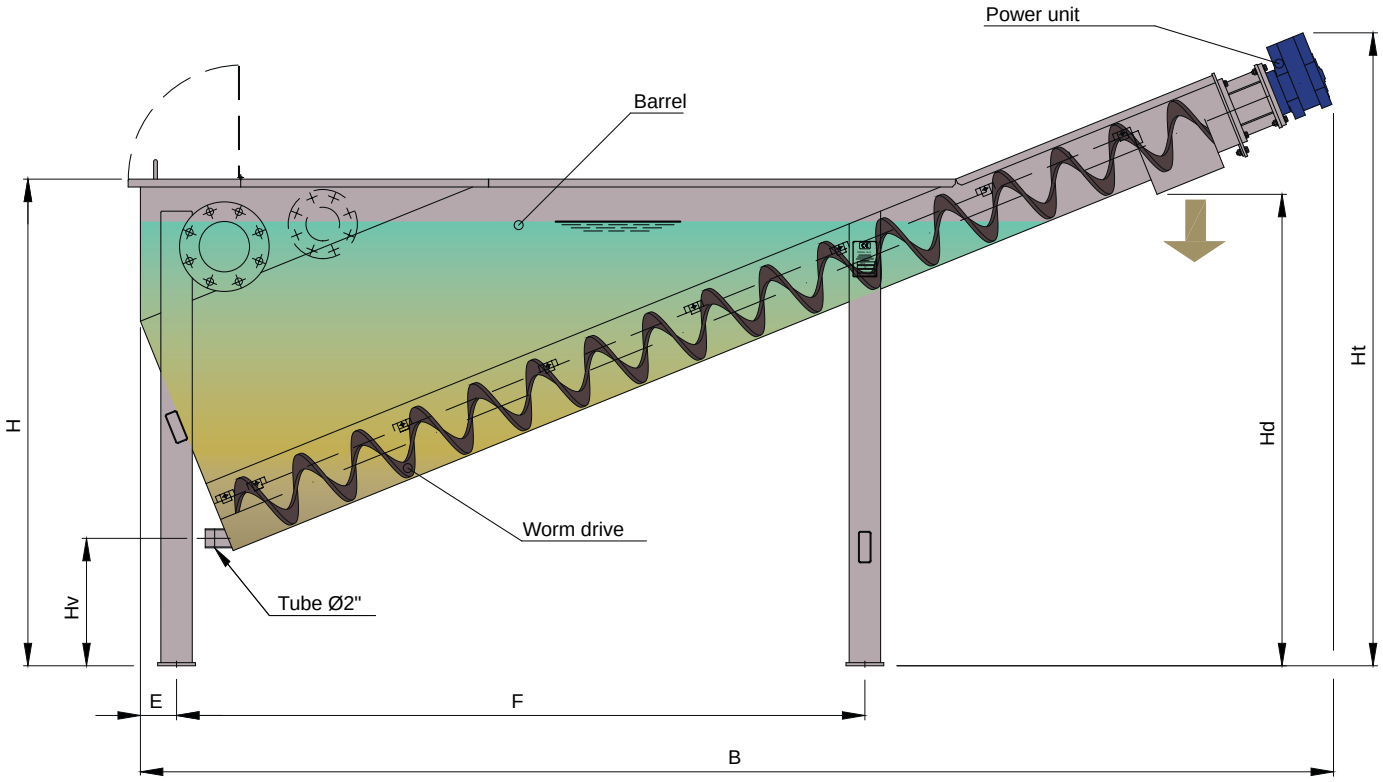
Single-block stainless steel unit, based on the operation of a screw conveyor, designed and adapted to extract grits from a degritting enclosure. This unit is built in several sizes and layouts according to the flow to treat and its location.

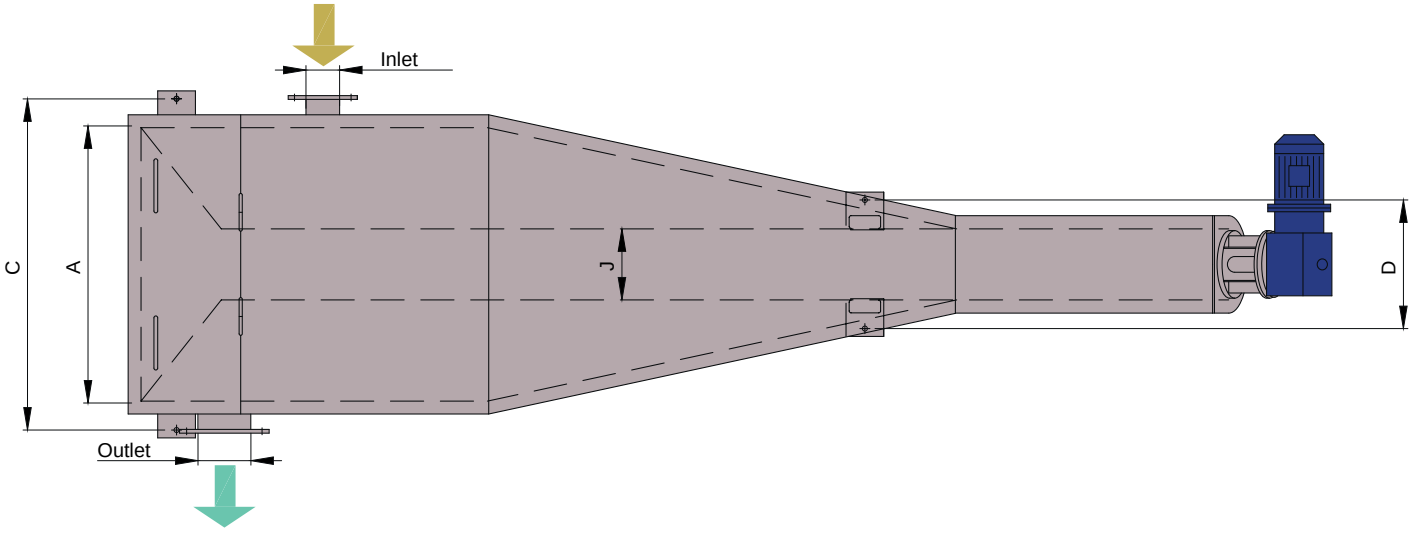
Descriptions and Features:

- **Metallic barrel.** Closed with grit input on its rear via a flanged connection with a channel for water discharge. Equipped with a top lid for correct inspection and cleaning.

- **Worm drive.** Coreless transporting device that hoist the grits on the bottom to the upper part, where the discharge point is. It scrapes an anti-wear polyethylene cradle while rotating.

- **Power unit.** Consisting of a geared motor and a coupling module to the worm drive.





DIMENSIONS															
TYPE	Leakage max. (m³/h)	Power (H.P.)	FLANGES DIN 2576 DN...		A	B	C	D	E	F	H	Hd	J	Ht	Hv
			Inlet	Outlet											
MR37T-015	20	0,50	80	100	0,65	2,96	0,83	0,37	0,12	1,53	1,36	1,30	0,19	1,77	0,49
MR37T-035	50	0,75	100	150	0,88	3,79	1,05	0,41	0,12	2,19	1,36	1,30	0,23	1,82	0,21
MR37T-050	65	0,75	100	150	1,02	4,14	1,20	0,41	0,12	2,54	1,40	1,35	0,23	1,87	0,14
MR37T-080	100	1,00	150	200	1,44	4,66	1,62	0,51	0,12	2,71	1,56	1,50	0,33	2,10	0,12
MR37T-150	180	1,00	150	250	1,57	5,72	1,75	0,51	0,12	3,80	1,95	1,90	0,33	2,50	0,14

Dimensions in meters