

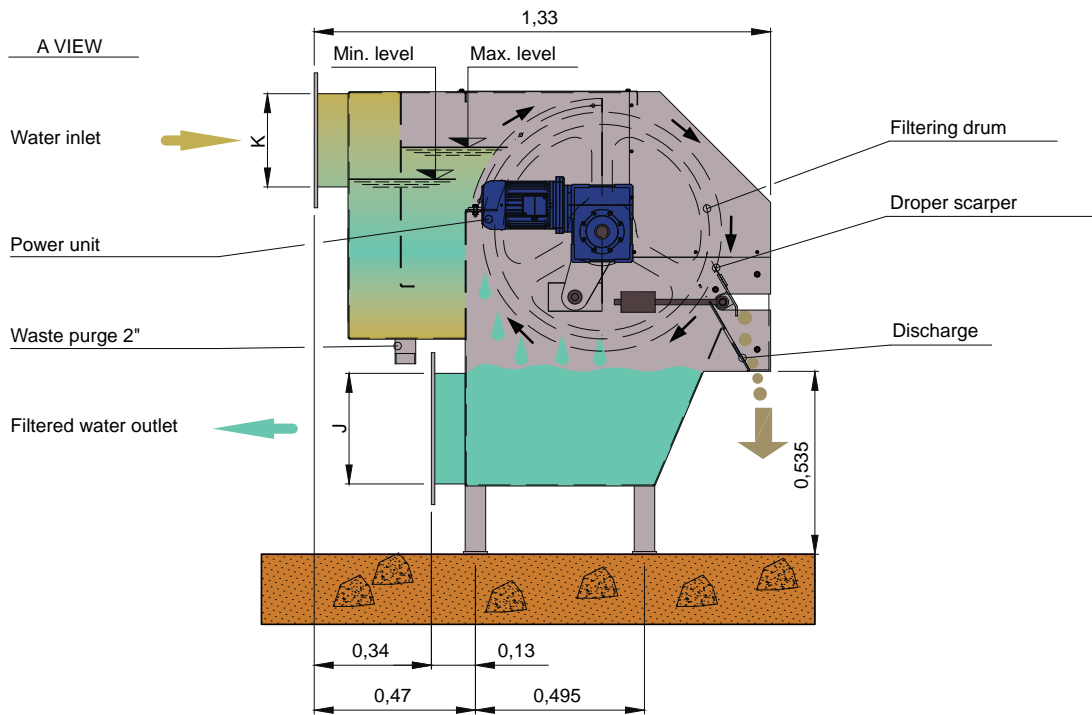
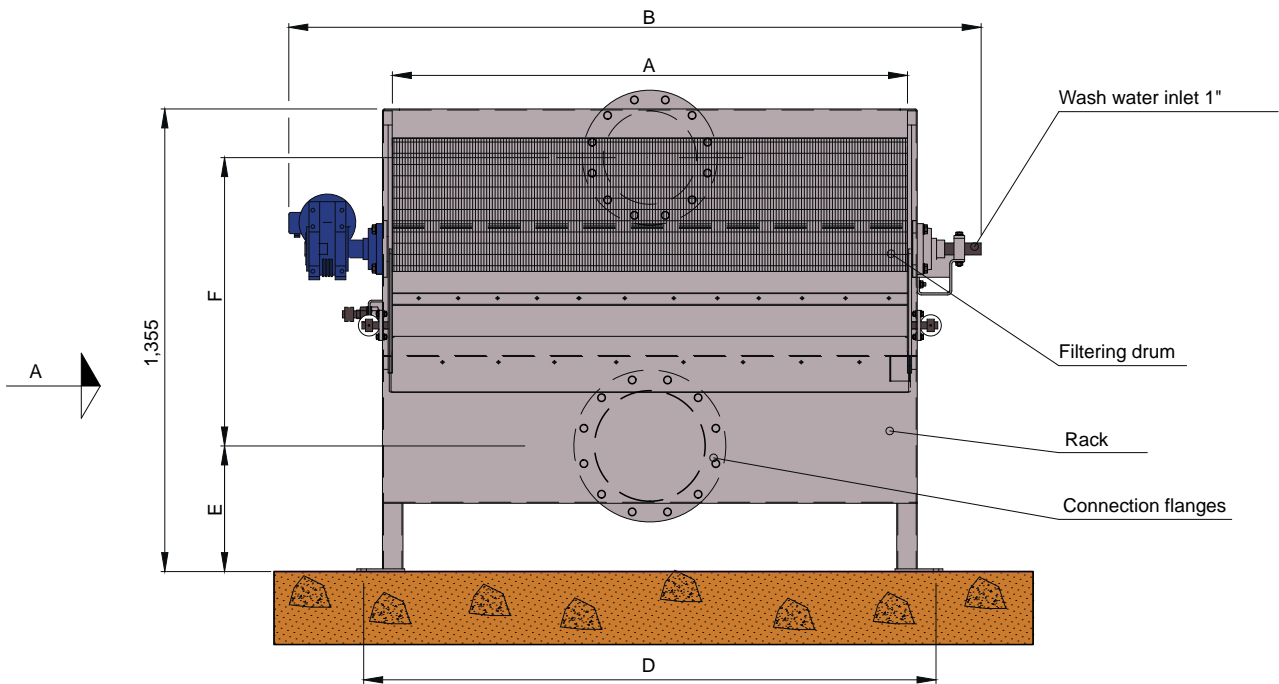
FINE SCREEN AND FILTERS

ROTATING SIEVE "ROTOTAMIZ" Type: MR36

Equipment designed for solid - liquid separation in a continuous process. Ideal for sieving processes in food industry, wastewater treatment plants, etc. Thanks to its filtering mesh, the waste retained is separated without the possibility of overloading.

Descriptions and Features:

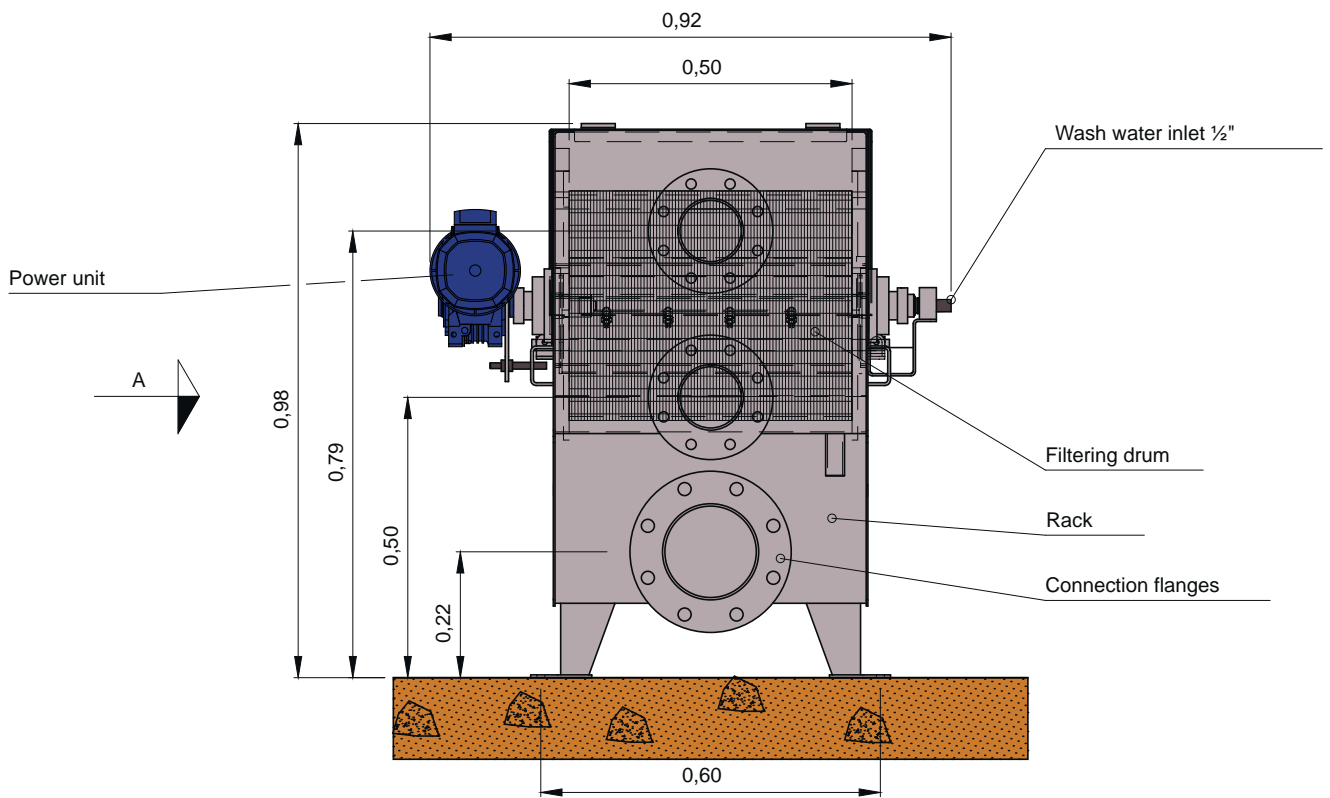
- **Rack.** Single block in steel plate. It hosts the filtering drum and supports the power unit. Its structure conforms two independent enclosures: a top one that stores the inflow and a lower one that collects the already sieved liquid.
- **Power unit.** A geared motor unit installed on one side of the equipment operates the filtering drum. According to the needs, a frequency converter can be installed, thus increasing the filtering capacity.
- **Filtering drum.** In stainless steel with wedge-shaped profiles, which produces an auto-cleaning effect. Particles larger than the sieve holes are contained at the surface where they are eliminated through an ejecting scraper. It is built with variable hole sizes based on demand and the nature of the fluid to sieve.
- **Waste elimination system.** This is carried out with an ejecting scraper that constantly scrapes the filtering drum, tearing off the waste adhered to the mesh, which is then collected by a container, belt, screw conveyor, etc.
- **Cleaning system.** Designed with nozzles inside the drum that clean the mesh with pressurised water. This water sweeps along the waste adhered to the outside of the drum, evacuating it along with the sieved water.



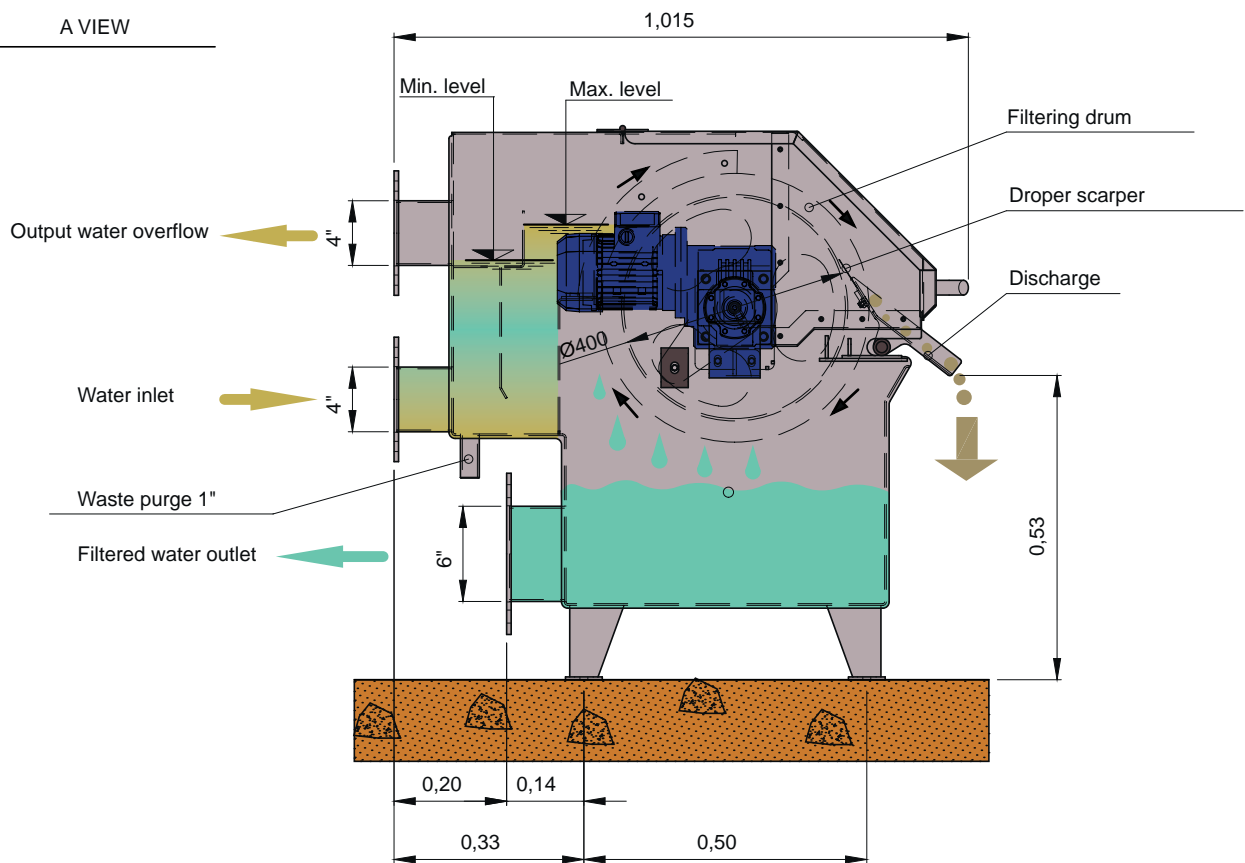
MR 36								Max. flow rates m ³ /h - Mesh measures (mm)					
TYPE	A	B	D	E	F	J	K	0,5	1	1,5	2	2,5	3
030	0,30	0,81	0,47	0,28	1,01	5"	4"	37,6	60,0	74,4	84,8	92,8	99,20
060	0,60	1,11	0,77	0,32	0,95	8"	6"	74,4	119,2	148,8	170,4	186,40	198,4
090	0,90	1,41	1,07	0,32	0,95	8"	6"	112,0	179,2	223,20	255,2	279,2	298,4
120	1,20	1,71	1,37	0,34	0,89	10"	8"	148,8	238,4	298,4	340,8	372,8	397,6
150	1,50	2,01	1,67	0,37	0,84	12"	10"	186,4	298,4	372,8	425,6	465,6	496,8
180	1,80	2,31	1,97	0,37	0,84	12"	10"	223,2	357,6	447,2	511,2	559,2	596,0

Flows for clean water. It will have apply a percentage of reduction depending on the ppm of the water.

Dimensions in meters



A VIEW



MR 36 A	MESH STEPS (mm.)								
	0,15	0,25	0,50	0,75	1	1,5	2	2,5	3
FLOW m ³ /h	19	28	48	63	75	91	102	110	117

Flows for clean water. It will have apply a percentatge of reduction depending on the ppm of the water.

Dimensions in meters



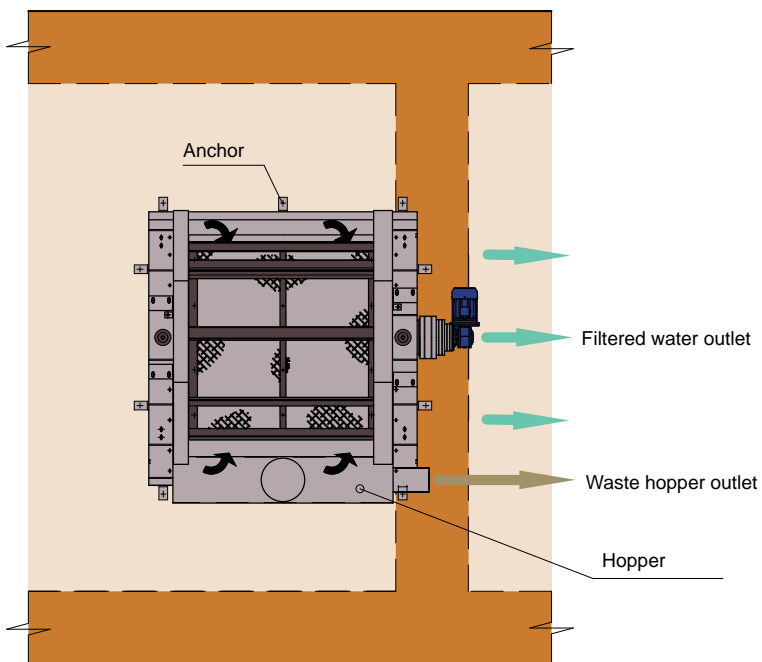
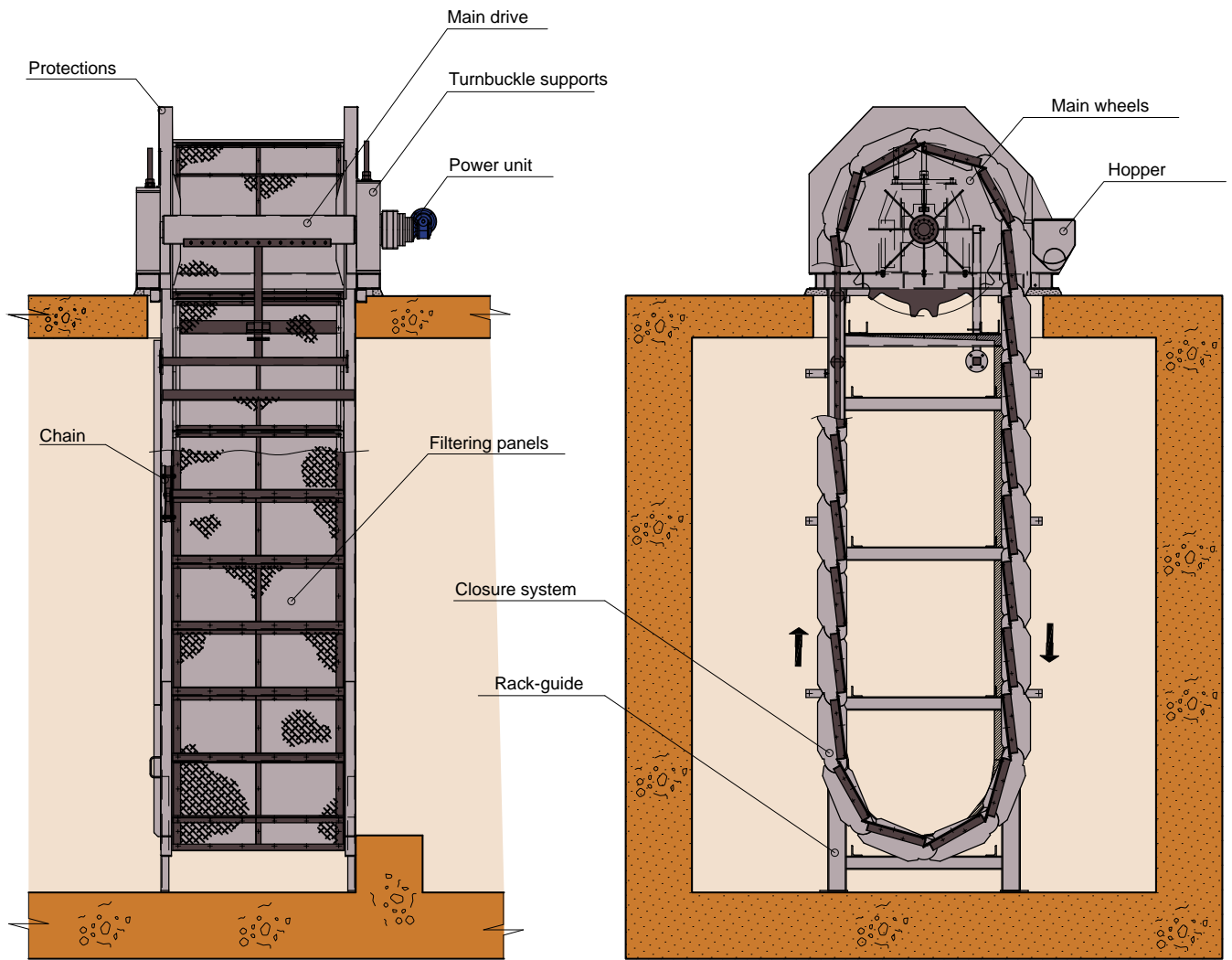
FINE SCREEN AND FILTERS

CHAIN FILTER Type: MR15

Equipment designed for sieving water in deep channels with variable level flows. Blocks waste with sizes between 150 microns and 6 mm. Single block construction, so it is assembled and tested before shipment from factory, thus facilitating on-site installation.

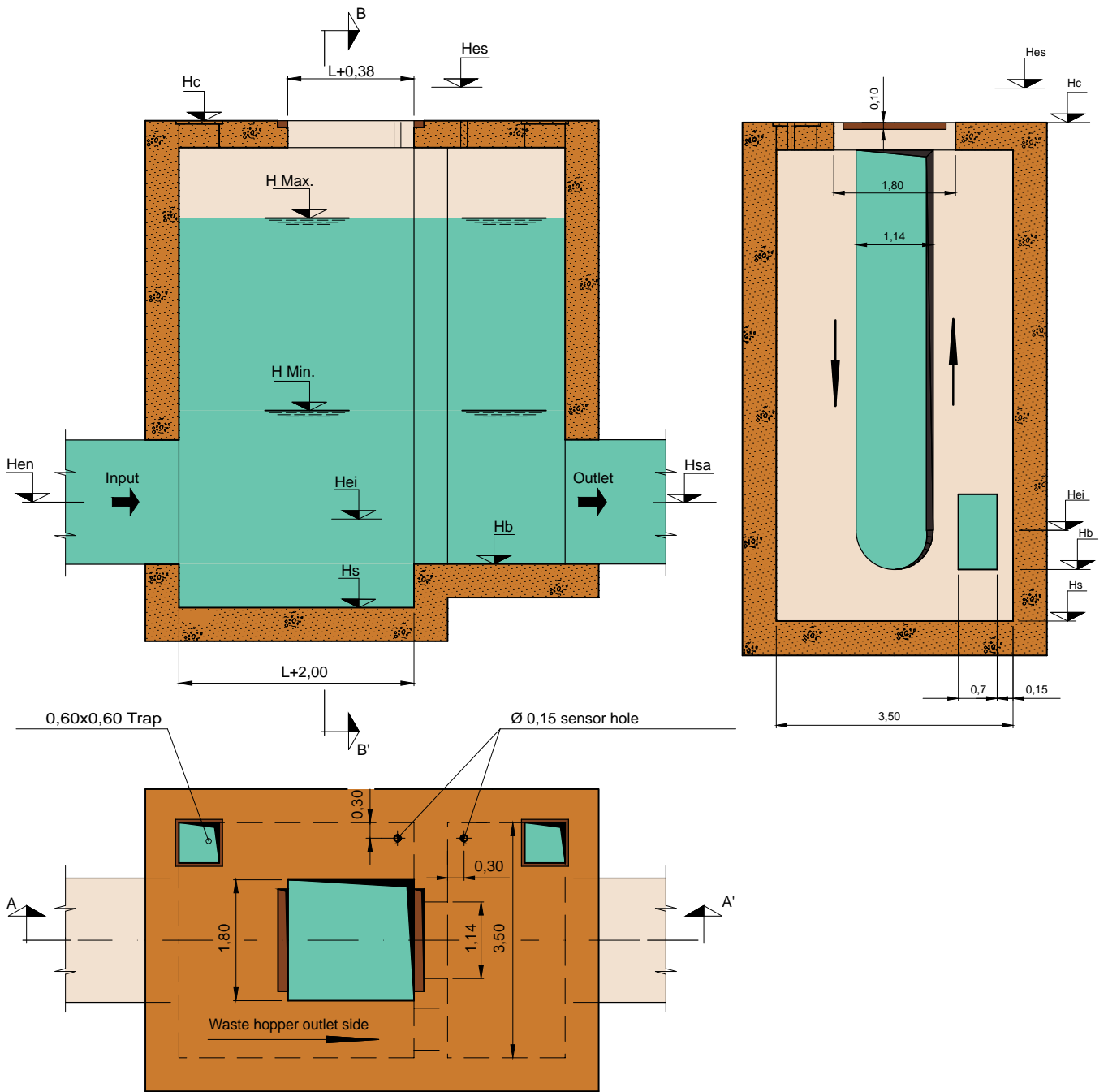
Descriptions and Features:

- **Rack.** Single block type, completely shrouded and built in steel plate. Serves as a support for all the movement components, automatisms, water-tightness and discharge hopper. After placing the filter on the installation, it is screwed and sealed to the walls of the location.
- **Power unit.** Consisting of a geared motor that acts directly on the main axle, mounted on steel guides to tighten and untighten the conveyor belt. Based on the filtering needs, this power unit can contain a two-speed motor, one for normal operation and a faster one for cases of exceptional filtering mesh overload. The main axle is a steel tube that connects both main wheels jointly. One of the ends is connected to the geared motor with a rigid coupling and the other end is supported by a self-aligning ball bearing. The entire unit has a specifically designed shock-absorbing system to prevent vibrations and tensions that might occur during normal operation.
- **Filtering panels.** Modular unit mounted on conveyor belts. Each panel is designed as a tray where the filtering mesh is connected, with useful spacing based on the filtering requirements, easily replaceable in case of deterioration.
- **Pulling belts.** Conveyor belts with a roller system geared to the main wheels. Guided with steel profiles along the filter. They can be tightened at the top. Built in galvanised or stainless steel, axles and sockets in stainless steel and rollers in anti-wear synthetic materials.
- **Closure system.** The filtering panels have steel plate on their ends with a design suitable to impede passage of solids between panels and guides, everything adapted to the sieving requirements. Also, the panels are built so they overlap to prevent passage of solids between panels.



SECTION " A-A' "

SECTION " B-B' "



Dimensions in meters

- **Guides.** Built with steel profiles, ensuring perfect operation of the filter. The rollers of the chain travel within them effectively guiding the filtering panel unit.



- **Cleaning unit.** The fabric is cleaned with pressurised water (3 to 4 Kg/cm²), with fan-shaped spraying. The cleaning water comes from a series of sprinklers located along a pipe inside the filter. The water hits the fabric from the outside, thus scraping the waste adhered to it and driving it towards the inside of the hopper.



- **Waste collection hopper.** Built entirely in steel plate and specifically designed for each type of waste and installation, the hopper ejects all waste along with the projected cleaning water through one of its ends. It has logs for inspection and cleaning.



- **Control equipment** (optional). The equipment can be configured for scheduled operation or for operation upon load loss at variable flow.

