

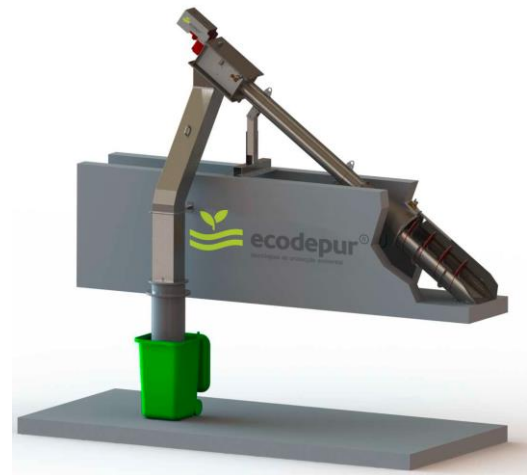
SCREW SCREEN WITH COMPACTION CHAMBER ECODEPUR[®] ECO-TCR

TECHNICAL INFORMATION

The **SCREW SCREEN WITH COMPACTION CHAMBER ECODEPUR[®] ECO-TCR**, are equipment's designed to remove, transport and compacting/dewatering solids (≥ 8 mm) from effluent, prepared to install in a concrete channel. This equipment's are typically used as pre-treatment to easy exploration/maintenance, reducing the cleaning periodicity of WWTP from small villages, industries, hotels, resorts, washing vehicles, etc. It allows solids dewatering in maxim of 40%.

This equipment has three fundamental functions:

- **Screening** – The coarse solids present in effluent are retained on a 5 mm filter mesh. The mesh is kept clean by the action of brushes fixed on outside of the spiral. The cleaning brushes operate when the level rises (information given by a level system);
- **Transport and elevation** – The screw elevate the solids stocked on the mesh, to the discharge on the top of this equipment.
- **Compacting/dewatering** – The solids are compacted on the discharge zone (Compacting chamber), where dewatering occurs, reducing the volume until a maximum of 40%. The wash water is purged down to the channel.



SCREW	ECO-TCR-M1	ECO-TCR-M2
BRAND	ECODEPUR [®]	
INCLINATION	35°	
SPIRAL	Aço ao Carbono (Micro Alloy)	
MINIMAL CHANNEL LENGTH	250 mm	250 mm
DISCHARGE HIGHTH	1000 mm	1500 mm
TOTAL EQUIPMENT LENGTH	4000 mm (aprox.)	5000 mm (aprox.)
SCREW DIAMETER	168 mm	219 mm
COMPACTION BEFORE DISCHARGE	Included	
CLEANING BRUSHES	Plastic	
WASHING SYSTEM ON COMPACTION ZONE	1,5 l/s a 3 Bar máx. (1/2")	
CONSUMPTION	0.37 KW	0.55 KW
MOTOR CHARACTERISTIQUES	n ₂ =10 rpm - 400V -50 Hz- IP66	
PROTECTIONS COVERS	Included with switch (stopping motor)	
SUPPORT	Included	
DISCHARGE	One	
TYPE OF STRUCTURE	Monobloc	
MANUAL CLEANING GRID	Stainless steel AISI 304 for mechanical protection	
INSTALLATION	Concrete channel	
ELECTRIC BOARD	Includes thermal protection, level and/or time command, emergency push button and solenoid valve for washing system on compaction chamber.	

MODEL	MAXIME CAPACITY (m ³ /h)	MESH (mm)	MATERIAL*	WEIGHT (Kg)
SCREW SCREEN WITH COMPACTION CHAMBER ECODEPUR [®] ECO-TCR-M1	60	8	AISI 304	220
SCREW SCREEN WITH COMPACTION CHAMBER ECODEPUR [®] ECO-TCR-M2	100			350

*This equipment is also available in AISI 316, or with other mesh by request.