

# GRIT CLASSIFIER

## Type: shaft less screw

- \* Sedimentation tank in rigid plate welded construction.
- \* Inlet zone with baffle to prevent short-circuit water current.
- \* Inlet and outlet flange adapted to the flow.
- \* The trough is equipped with hardened steel rails.
- \* The shaft less screw is made of a 20mm thick spiral of special high wear-resistant steel.
- \* Inclination: 25°.
- \* The end of the screw is coupled by a support, bolted to the gearbox.
- \* The screw is driven by a hollow shaft motor-reducer.
- \* The reducer is fixed to the trough by a support plate.
- \* The reducer can be removed without disassembling the screw.
- \* The trough is covered by a bolted cover plate.
- \* The screw is equipped with inlet and outlet hoppers, and is entirely closed.
- \* The screw is made of special hard steel to resist to the maximum wear of friction.
- \* The supports are adapted to the local circumstances, according to description in the offer.

## Materials:

- \* Sedimentation tank, trough, covers, supports: AISI304,
- \* Spiral: special high resistant steel,
- \* Drive shaft: Steel P335

Models			
Type	Sand-water mixture [m <sup>3</sup> /h]	Volume [m <sup>3</sup> ]	Surface [m <sup>2</sup> ]
		To overflow gutter	
ZKL30	30	0,55	1,30
ZKL70	70	1,16	2,30
ZKL150	150	2,57	3,70
Larger types up to 6m <sup>3</sup> are customized			

