



## ROTARY SCREEN DF SB

### APPLICATION:

The rotary screen DF SB is intended for separation of solids from wastewater flowing through a wastewater treatment facility. Simplicity of design and easy operation makes it a versatile device for many applications.

### OPERATION PRINCIPLE

Influent enters the drum sieve via inlet connection. A baffle at the entrance dissipates the energy of influent surges and distributes its flow evenly across the sieve. The sieve is made of mesh or perforated metal sheet attached to a rotating drum driven by a high quality gear motor. The wastewater flows through the sieve and into a tank, from which it flows to the next treatment stages. The solids captured on the sieve are conveyed by the rotating drum with a worm wheel to the screenings discharge for disposal into containers or dewatering in a screening press.

During transportation, the screenings are drained off and optionally flushed.

An emergency overflow is provided to dispose of excessive flow or in case of power supply failure.

### SCOPE OF SUPPLY

- stainless steel structure
- perforated metal basket of various perforation (0.5 ; 0.75 ; 1.0 ; 1.25 ; 1.5 ; 2.0 ; 3.0 ; 4.0 ; 5.0 ; 6.0 ; 8.0 ; 10 mm)
- control cabinet with programmable controller and inverter (option)
- screenings discharge chute
- high quality driving assembly
- emergency waste overflow
- perforation backwash system
- screenings flushing system (option)
- hermetic closure with ventilation connection (option)
- heating system necessary for outside operation (option)
- screenings press (option)

### ADVANTAGES

- versatility
- automatic or clock-controlled operation
- simplicity of design and easy operation
- self-cleansing action
- connectivity to an auger press
- changeability of perforation, e.g. change of user requirements, treatment process or output level, etc.
- low operating costs
- minimum maintenance
- screenings washing
- sieve backwash with water
- protection against overflow of untreated wastewater
- easy output adjustment during operation using an inverter or different perforation

