



## TanFlow Drum Screen TFS

Efficient Liquid/Solid Separation in Industrial and Municipal Process and Waste Water Treatment

- fine screening at high throughput capacity
- wedgewire drum screen
- efficient cleaning device
- robust and simple design
- small footprint, therefore manifold options of installation
- optionally with integrated spiral press
- optionally with internal spraybar
- increased operational safety due to optional emergency overflow
- suitable for greasy and oily media

## Application

The externally fed TanFlow Drum Screen TFS is used for fine screening of industrial and municipal waste water. Where it is necessary to sieve larger flows of liquid the TFS is employed. Thanks to its small footprint the TanFlow Drum Screen TFS is even suitable for installations with limited space.

## Design

The basic body is made of stainless steel plates and profiles. The surface of the stainless steel sieve drum which rotates in the casing consists of triangular, helically wound wedgewire profiles. The gap between the windings corresponds to the desired wedgewire width.

The TFS is equipped with an internal spray device by which if necessary the sieve drum can be cleaned. A scraper clinging to the outer drum lifts the retained material from the sieve surface. The scraper can be folded in easily. If required the machine can be equipped with an emergency overflow.

## Function

The liquid to be sieved reaches via an inlet connection the headbox and from there onto the sieve drum surface.

There the separation of the solids is effected. The solids settle onto the surface, are transported via constant rotation of the sieve drum to the bronze scraper where they are gently separated. The liquid runs through the sieve drum from the outside to the inside and then, flows once again through the drum (back wash). Finally, the liquid leaves the machine through the outlet connection.

The externally fed TanFlow Drum Screen in combination with the PWL-HXP Spiral Press for dewatering of the separated solids is ideal for manifold applications.

## Technical Data

**throughput capacity** up to 1500 m<sup>3</sup>/h

**wedgewire openings** 0,25 mm to 3 mm

**drum diameter** from 600 mm to 900 mm

**drum length** from 300 mm to 2000 mm

**drive unit** made SEW

**material** stainless steel AISI 304, alternatively AISI 316 Ti/L

Special configurations upon request.

## Installation Examples

- municipal WWTPs
- disposal companies
- wood industry
- food industry
- abattoirs
- beverage industry, vinification
- chemical industry

