

SLUDGE
MANAGEMENT

STATIC THREADER (STIR)

CENTRALLY DRIVEN STATIC THICKENER,
WITH HARROW

SFA
enviro

THICKENING OF SEWER
STATION SLUDGE

Europelec

MAIN FEATURES

Thickening of sludge from urban or industrial effluent treatment plants

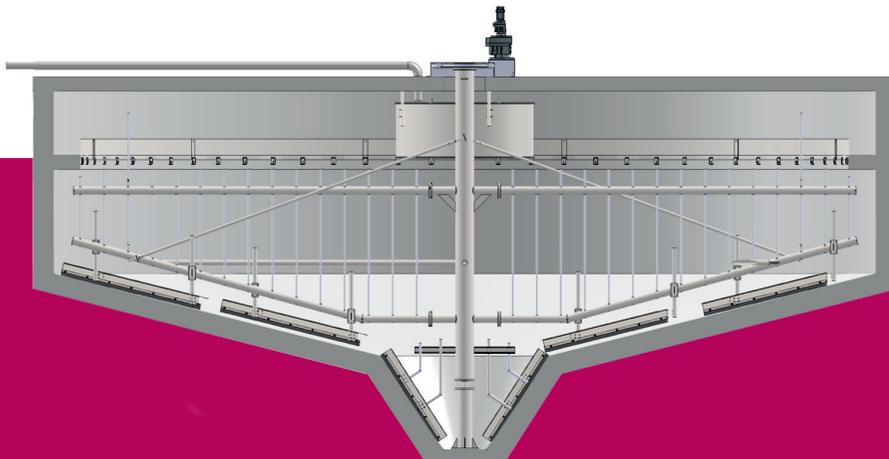
The sludge suspension is introduced into the centre of the circular thickener.

The materials settle according to their mass and form a concentrated sludge bed in the lower part of the structure.

The thickened sludge is discharged at the centre through the bottom.

This thickening solution is economical and requires little maintenance.

Thickeners are usually made of concrete and can also be made of vitrified steel.



Site assembly

ADVANTAGES

ALL IMMERSED METAL PARTS ARE SUPPLIED IN STAINLESS STEEL

LOW ENERGY CONSUMPTION

AVAILABLE IN HOT-DIP GALVANISED DUPLEX STEEL ON REQUEST

SIMPLE AND ROBUST EQUIPMENT, REQUIRING VERY LITTLE MAINTENANCE

HIGH DURABILITY



COMPONENTS

1 IP 55 GEARMOTOR

2 CRANTED DRAINER

For overflow drainage

3 VERTICAL STAINLESS STEEL HATCH

(304 L or 316L stainless steel)

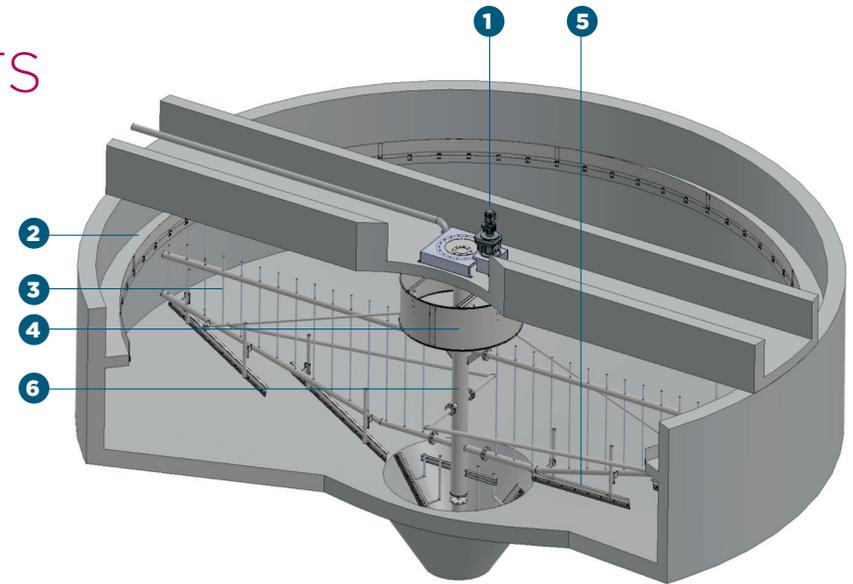
Made up of two arms, spacers and crosspieces, it ensures that the sludge is stirred when turning, thus allowing it to degas and thicken

4 CLIFFORD

Quieting skirt ensuring uniform distribution of the effluent in the thickening zone without turbulence

5 BOTTOM SCRAPERS

Adjustable to suit the slope of the invert, they lead the thickened sludge to the central collector



6 DRIVE SHAFT

Central tube supporting the harrow. It is guided in its lower part by a fixed bearing and connected to a drive ring in its upper part

OPTIONS

- Grade 304L or 316L Stainless Steel available
- Metal walkway
- Possible coverage
- Can be used for hydroxide sludge (especially drinking water)
- Can be used up to 50 metres and more in diameter

A STEP AHEAD IN WATER TECHNOLOGY

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