

Patent No.1498009

SUIREI THICK

SUIREI THICK



**High-speed
coagulation
sedimentation
tank**



Structure of SUIREI THICK

Treatment water check hole

This is the hole for checking the treatment water. If the water is properly processed, clear treatment water will flow here.



Reduction gear

The scraper (sludge scraper) is rotated by this reduction gear. It rotates slowly so that settled flocs do not flutter up.

Tilting plate

This tilting plate effect reduces residence time compared to a typical settling tank.

Inspection window

This window checks the state of settlement and sedimentation of the floc. If sludge accumulated at the bottom can be seen from the bottom of the window, it indicates that there is too much sludge. The key to the stable operation is to keep the amount of sludge at the bottom of SUIREI THICK as low as possible.


Main features that distinguish SUIREI THICK from other settling tanks


In general sedimentation tanks, a very large space is required to obtain the residence time necessary for sedimentation and separation of flocs.


SUIREI THICK has the inclined plate in the tank to increase **sedimentation efficiency** so that **sedimentation and separation in a shorter time and space are enabled**. This reduces the residence time required for sedimentation, thereby reducing the space required for installation.

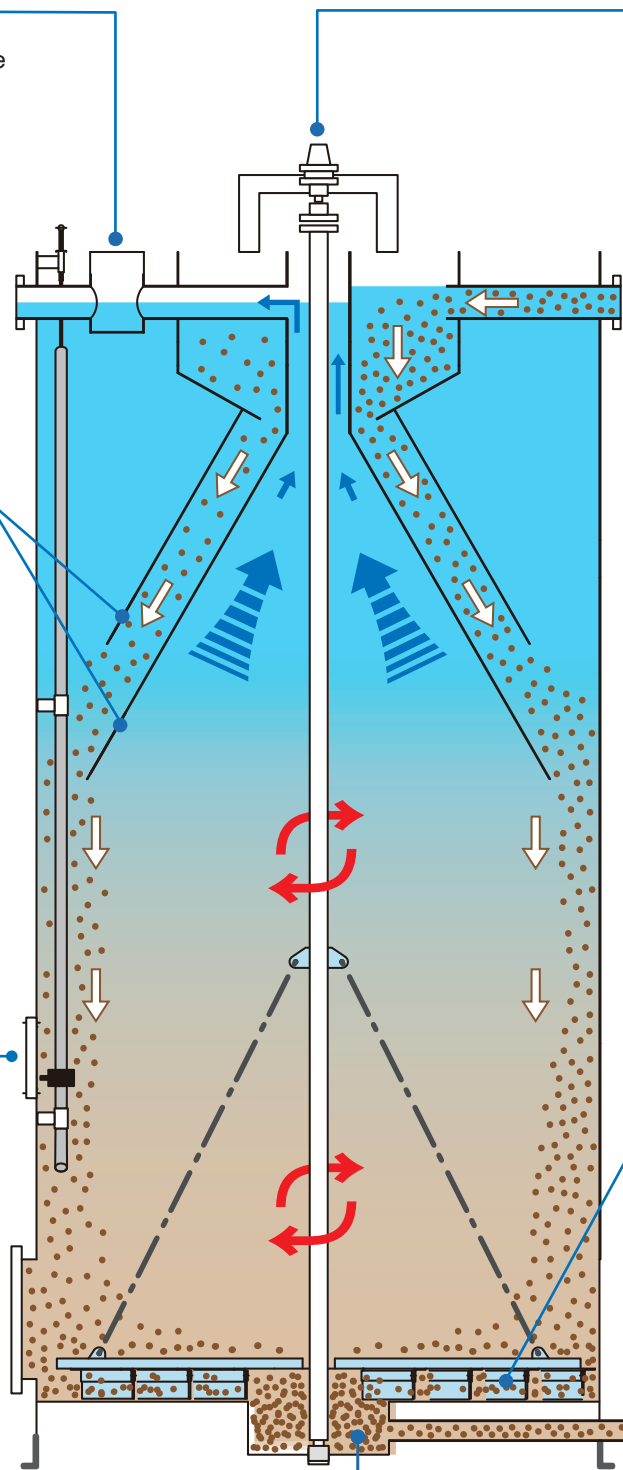
Scraper (sludge scraper)

The scraper rotates slowly and efficiently scrapes slurry that has settled at the bottom of the tank into the sludge basin in the center. The collected sludge is discharged by the sludge extraction pump.

 Treatment water (clear layer of the treatment water)

 Axis of revolution

 Movement of floc



Sludge basin

This space is used for settling floc is scraped and collected by the constantly rotating scraper (sludge scraper).

Features

- Reducing residence time
- Space-saving
- Easy-maintenance

SUIREI THICK

[High-speed coagulation sedimentation tank]

Treatment
water

Raw
water

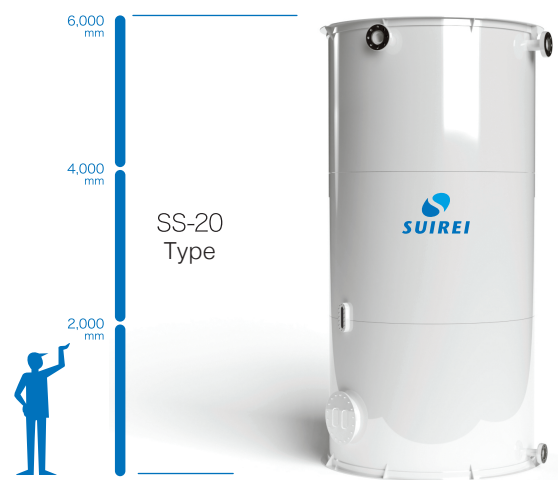


Sludge



Type	Size (mm)	Throughput (m ³)	Exercise weight (kg)
SS-05	Φ 1,800 × 4,500H	5	14,000
SS-10	Φ 2,300 × 5,500H	10	25,000
SS-15	Φ 2,500 × 5,500H	15	30,000
SS-20	Φ 2,800 × 6,000H	20	40,000
SS-30	Φ 3,200 × 6,000H	30	52,000
SS-40	Φ 3,600 × 6,500H	40	70,000
SS-50	Φ 3,600 × 7,500H	50	92,000

※ Dimensions are subject to change during design.



SUIREI

<http://www.suirei.co.jp>

〒455-0803 1 Chome-206-2 Iriba, Minato Ward, Nagoya, Aich TEL 052-383-8585 FAX 052-383-8558