



FINNCHAIN SCRAPER SYSTEMS FOR MULTI-DECK SEDIMENTATION TANKS



THE USE OF MULTI-DECK TANKS IS INCREASING

As the use of land / property needs to be efficient, sedimentation tanks at wastewater treatment plant can be built in multiple decks. The most common is double-deck, but it is not out of question to use even more. In these cases maintenance and repair can be challenging and expensive, so the operational reliability of the scraper system is extremely important.

Notched-Link Chain

- Large bearing areas » Better distribution of the load
- Smaller load and wear » Longer lifetime

Scraper flight

- Closed profile » More rigidity and strength
- Design of End Connector » Less vibration and wear

Adjustable Drive Wheel

- Perfect pitch of chain all the time » Even distribution of the load
- Easy maintenance » Important in challenging circumstances

Chain Watch

- Prevents chain skipping » 2-phase action
- Brings reliability » Important in challenging circumstances
- On-Line control & monitoring

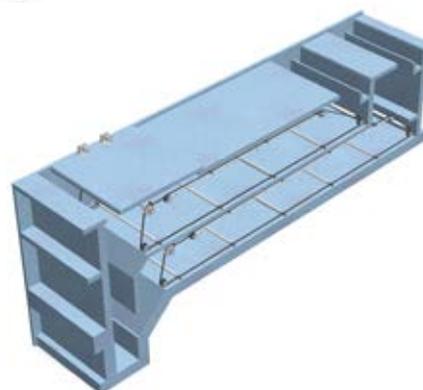
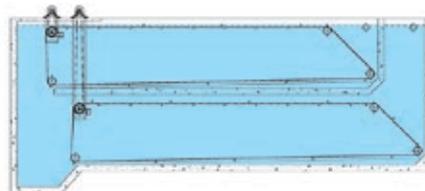
In addition to the above features, light-weight components and well-chosen materials further reduce the load and wear of the scraper system.

FINNCHAIN TECHNICAL SOLUTIONS GUARANTEE OPERATIONAL RELIABILITY

Patented features developed by Finnchain guarantee not only a longer lifetime but also operational reliability which is crucial for scraper systems installed in multi-deck sedimentation tanks.

Because of this end-users and customers all over the world are convinced of Finnchain scraper systems.

» Over 250 installed multi-deck scraper systems worldwide!



KEEPING YOUR PROCESS GOING





BESOS WWTP

In total 90 Finnchain scraper systems

"We have installed FINNCHAIN scrapers in our plant for the removal of sludge of the settlers. These equipment's are working correctly and complying with the function for which they were installed in 2006."

- *Manel Marquina Soler,*
Maintenance Manager EDAR de Besos
(Aigues de Barcelona)

Installation year: 2005 and 2007

Description of tank: Secondary sedimentation, double-deck

Size of the tank:	Length	Width	Nr of systems
UPPER LEVEL	53,6 m	6,75 m	36
LOWER LEVEL	59,5 m	6,75 m	36
CROSS COLLECTOR	13,5 m	1,83 m	18

TECHNICAL SOLUTIONS:

Item	Special feature	Type	Material	Extra information
COLLECTOR CHAIN	Notched-link chain	HA200, HA205	POM/PA/PK	Large bearing areas 1320/1640 m ²
SCRAPER FLIGHT	Closed profile flight	FC-190, FC-200, FC-300, FC-220, FC-310	GRP	Plastic or SS end connector
DRIVE WHEEL	Adjustable	Z=11/HA200, Z=12/HA205	AISI304/316	Pitch can be adjusted
IDLER WHEEL	Cogless	FC-505R-76, FC-505R-80	PP	No wearing teeth
CHAIN WATCH	2-action feature	QE11/200, QE12/205	AISI304/316	Online control & monitoring



THE ADVANTAGES OF FINNCHAIN SYSTEMS

- *New and innovative solutions for chain systems since 1984.*
- *The cornerstones of our operations are reliability and security of supply.*
- *Durable and long-term solutions signify environmental friendliness.*
- *The product's long lifetime and low operating and maintenance costs stand for profitable investments.*
- *A functional and profitable partnership consists of trust and commitment towards common goal.*