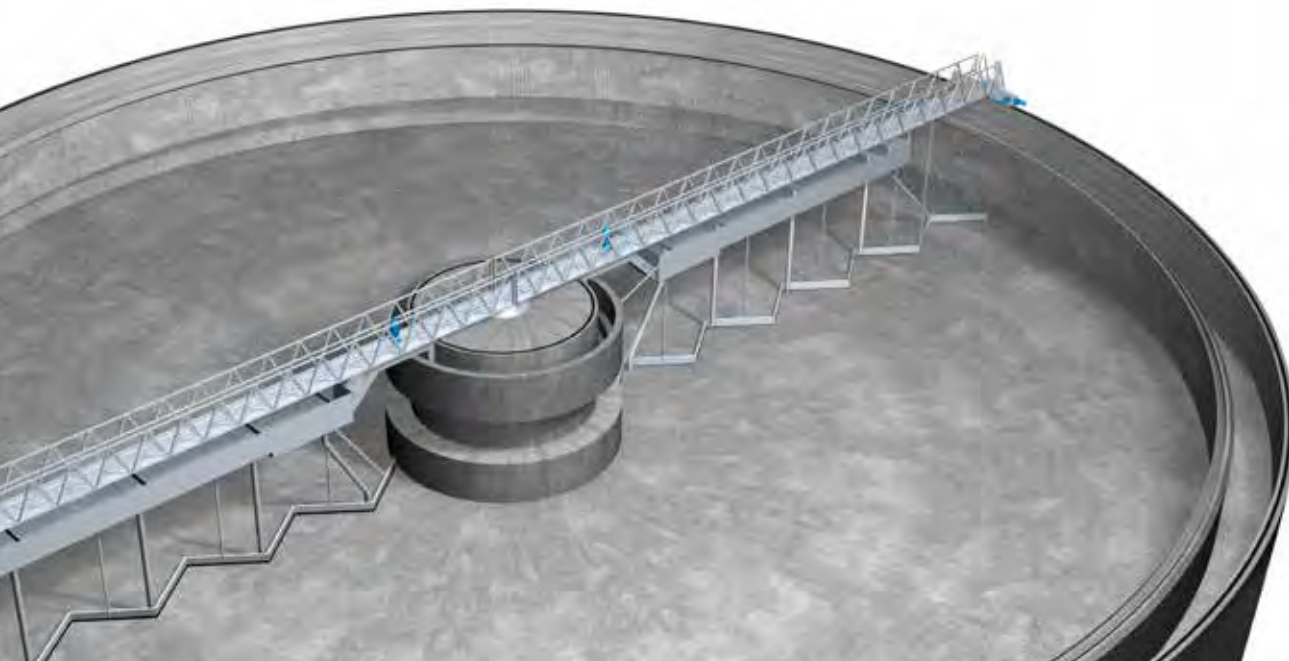


# Sedimentation

Equipment for efficient  
sludge handling



**ConClar** Peripheral driven suction sludge scraper

**ConClar** Wire driven sludge scraper

**ConClar** Centre driven sludge scraper

**ConClar** Travelling suction sludge scraper

**ConThick** Centre driven thickener

# Sedimentation

## Comprehensive line for efficient sludge handling

Läckeby Products has a wide range of equipment for efficient sludge handling in wastewater treatment plants. The line includes a well-documented range of sludge scrapers. When you choose products from Läckeby Products you can rest assured that the plant will meet applicable requirements for a long time.

### The Läckeby Products line for sludge handling includes:

- ConClar 537** Peripheral driven suction sludge scraper
- ConClar 531** Peripheral driven conventional sludge scraper
- ConClar 410** Wire driven sludge scraper
- ConClar 511** Centre driven sludge scraper
- ConClar 447** Travelling suction sludge scraper
- ConThick** Centre driven thickener

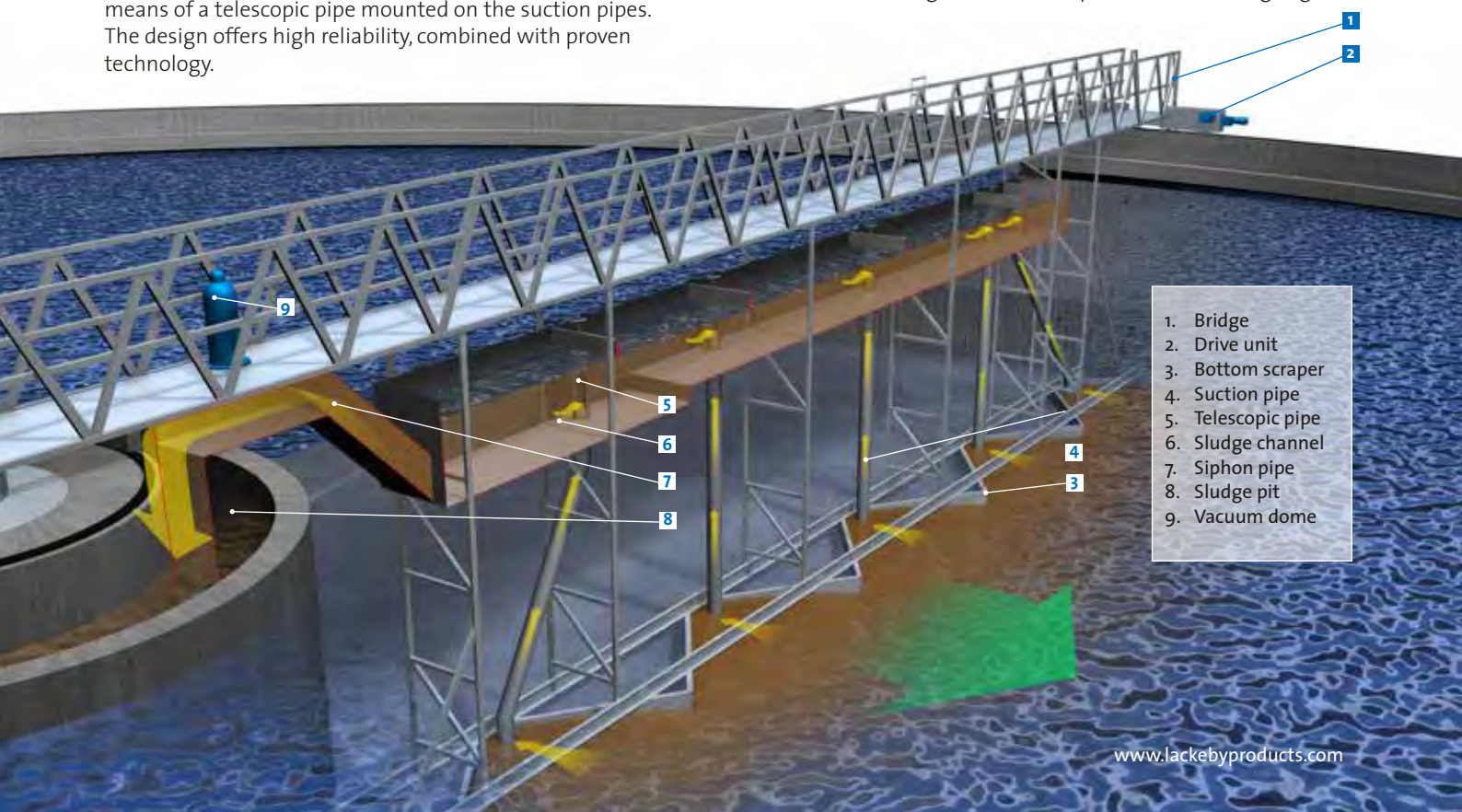
### ConClar Peripheral driven suction sludge

The ConClar 537 peripheral driven suction sludge scraper is a sludge scraper designed for installation in large circular basins that are usually designed with a rotating scraper bridge. ConClar is manufactured in several designs.

ConClar 537 efficiently sucks up sedimented sludge through hydrostatic pressure - called a suction sludge scraper or siphon sludge scraper. The sludge flow rate is regulated by means of a telescopic pipe mounted on the suction pipes. The design offers high reliability, combined with proven technology.

### Benefits of ConClar 537:

- Economically competitive with low investment cost
- Many references and operating experience
- Reliable
- Requires little maintenance, which gives low operating costs
- Can be installed in basins up to 65 metres in diameter
- Optimal bridge design
- Beneficial sludge removal for optimization of sludge age



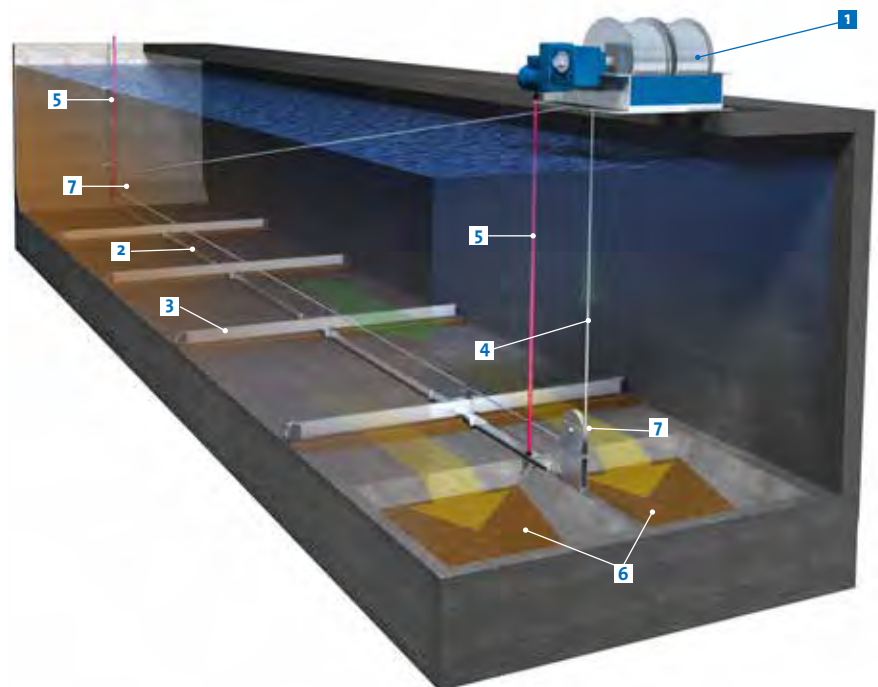
1. Bridge
2. Drive unit
3. Bottom scraper
4. Suction pipe
5. Telescopic pipe
6. Sludge channel
7. Siphon pipe
8. Sludge pit
9. Vacuum dome

## ConClar Wire driven sludge scraper

ConClar 410 is a wire driven sludge scraper with a basic and competitive design. The sludge scraper has few moving parts, is extremely reliable and is designed for installation in rectangular sedimentation basins. The ConClar wire scraper can be selected independent of basin size and/or sludge volume. ConClar 410 can also be equipped for surface sludge removal if desired

### Benefits of ConClar 410:

- Basic and reliable design
- Low investment cost
- Little wear
- Low operating costs
- Very easy to service
- Flexible system
- Can be installed in basins up to 70 metres long and 12 metres wide

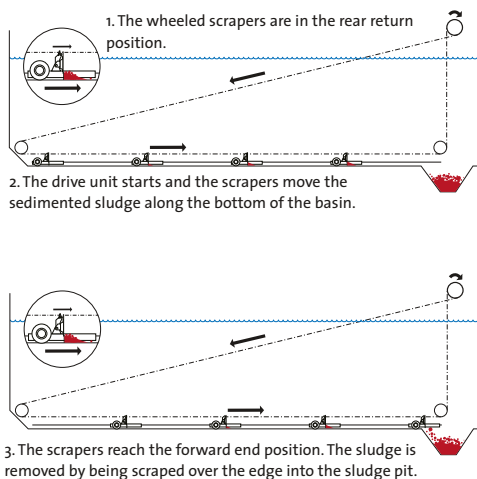


1. Drive unit with wire winch
2. Guides
3. Scrapers equipped with wheels
4. Synthetic fibre wire
5. Limit switch
6. Sludge pit
7. Pulley

### Principle ConClar 410 Wire driven sludge scraper

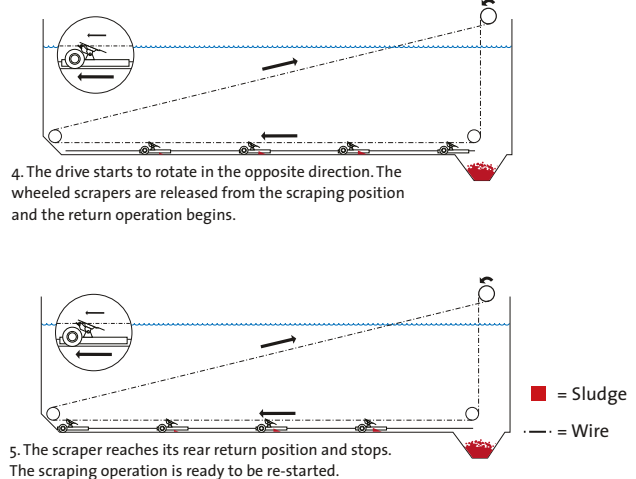
#### Scraping operation

Drive unit with wire winch



#### Return operation

Drive unit with wire winch



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## ConClar Peripheral driven sludge scraper

ConClar 531 is a peripheral driven sludge scraper equipped with bottom scrapers, which move the sludge from the periphery to the sludge pit in the centre. The sludge scraper can be supplied with a logarithmic scraper or a conventional scraper blade positioned directly under the bridge.

### **Benefits of ConClar 531:**

- Many references and operating experience
- Optimized and competitive design
- Low operating and maintenance cost

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## ConClar Centre driven sludge scraper

ConClar 511 is a centre driven sludge scraper designed as a rotary vertical hollow shaft to which the two scraper arms are connected. These move the sludge in front and in towards the centre of the basin into a sludge pit from which the sludge is continuously removed.

### **Benefits of ConClar 511:**

- Economically competitive
- Reliable
- Low operating costs
- Quick make-and-break switch that cuts the power if overloaded

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## ConClar Travelling suction sludge scraper

ConClar 447 is a travelling suction sludge scraper that collects the sludge from the bottom of the basin through siphoning. The sludge is transferred to an adjacent sludge channel. The travelling bridge is designed to run back and forth along the tank from the inlet to the outlet ends at a speed of 1-2 metres per minute.

### **Benefits of ConClar 447:**

- Reliable design
- No electrical equipment required on the travelling scraper
- Flexible solution
- Water submerged parts supplied in stainless steel

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## ConThick Centre driven thickener

The Läckeby Products ConThick is a centre-driven thickener designed for installation in sludge or fibre thickeners. ConThick's task is to reduce the water content in the sludge. The basic principle of ConThick thickener is that the vertical scraper arms compact the sludge. The water is then pressed out of the sludge and moves upwards.

### **Benefits of ConThick:**

- Economically competitive
- Good references and operating experience
- Reliable
- Low operating costs
- Quick make-and-break switch that cuts the power if overloaded



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