

# **AKIS**

## **Plastic chain scraper**



**AKIS offers solutions with a wide range of machine for the treatment of water and waste.**

## Plastic chain scraper

Plastic chain scraper is used to scrape all types of sludge in a tank or in a settling basin. The VA Teknik scraper works perfectly well also for scraping the sand/grit in grit traps.

The drive unit is assembled on a vertically adjustable motor plate for tensioning of the power transmission chain. The transmission chain is made of acetal resin and is lubricated by the tank water. All moving parts are covered and protected by a light weight easy access aluminum hood.

The drive shaft is designed as a stainless steel tube with welded flanges. Plastic split sprockets are bolted to the flanges. The split sprockets enable maintenance without disassembly of the driveshaft. The drive shaft's bearings are spherical long life heavy duty plastic bearings. The bearings are lubricated by the tank water. No additional greasing is needed.



Scraper flights Fiberglass reinforced plastic and the sigma shaped profile of the flights makes it more corrosion resistant, rigid, strong and flexible to resist high sludge loads without compromising the safe operation. We define the suitable scraper profile based on tank dimensions and sludge load. The scrapers are equipped with skids and filler blocks for the strongest possible fixation of the chain's.

## Advantages

- Light weight
- Durable
- Energy efficient
- High sludge removal rate
- Robust

## Use

- River water Treatment Plants
- Refineries – Desalination Plants
- Food and Dairy industries
- Pulp and Paper mills.
- Municipal Waste Water Treatment Plants
- Industrial Waste Water Treatment Plants

