Skimming (oil) mud scraper

Purpose and introduction:

The skimmer (oil) scraper is mainly used for scraping, collecting and removing the sediment and sand at the bottom of the horizontal (rectangular) sedimentation tank, especially the grit chamber, primary sedimentation tank, secondary sedimentation tank and oil separation tank in the sewage treatment project, and can remove the oil slick on the liquid surface at the same time. Float for skimming.

The specific structure is simple: one machine is used for two purposes; Convenient installation, operation and maintenance; Safe and reliable operation.

Structure and working principle:

Skimming (oil) mud scraper is divided into two types according to process structure and working mode.

Hgh-t type lifting plate collecting (oil) scraper is an integral device mainly composed of driving reducer, slag skimming mechanism, sludge discharge mechanism, lifting drum and electric control device on the truss frame.

Under the command of the electric control device, the slag skimming and mud scraping mechanism runs back and forth along the straight line laid on the pool surface with the truss frame. Lift or lower the scraper when the lifting and falling coil is simply fixed (fixed range), so that the skimming and mud scraping work in one direction respectively, scrape and collect the sludge at the bottom of the tank and the oil residue on the liquid level respectively outside the sludge collecting tank and the oil drain pipe.

Hgh-l chain traction skimmer (oil) scraper is mainly composed of deceleration drive device fixed on the pool surface, traction chain with scraper in the pool, transmission chain pair and tensioning device, safety protection device, etc.

The deceleration drive device transmits the power to the traction chain through the sprocket pair to drive the scraper to make directional rotation and continuous operation along the upper and lower rails in the tank. During the operation, the scraper continuously scrapes and collects the sludge at the bottom of the tank and the oil residue on the surface of the tank respectively in the sludge collection tank and the slag discharge tank.

Specifications and main technical dimensions:

Model	Applicable pool size (m)			Motor power (kw)		Walking speed（m/min）	Winch lifting speed（m/min）	Chain scraper spacing
	width (B)	Length (L)	Depth (H)	run	Winch			
HGH-T	3~10	5~50	2~5	0.37-2.0	0.75	⩽1	⩽2	
HGH-L	4~6	5~25		0.37-2.0				1~1.5