

High-efficiency Thickener

Principle

The thickener is mainly composed of two major parts including circular thickening tank and rake-type mud scraper: The solid particles suspended in the slurry in the thickening tank is settled by the gravity effect, after that, the clear water is on top, which makes the solid-liquid separation. The slurry deposited at the bottom of the thickening tank is continuously scraped to the center of the tank bottom by rake-type mud scraper and discharged by the outlet, and the clean water overflows from the top edge of the thickening tank.



Features

Produced by introducing American technology.

New mechanical structure strengthens the flocculation on solid particles of the flocculants.

Flocculant adding system can be provided, as well as the automatic control systems of flocculant adding and high-efficiency thickener.

Application

It can be widely used for the treatment of slime, waste water, and waste residue in metallurgy, mining, coal, chemical industry, building materials, and environmental protection departments.

Technical Parameters

Model	Inner Diameter of Tank (mm)	Tank Height (mm)	Subsidence Area (m ²)	Rabble Rotating Speed (r/min)	Lifting Height of the Rabble (mm)	Driving Motor Model	Driving Motor Power (kW)	Lifting Motor Model	Lifting Motor Power (kW)	Steel Tank Weight (kg)	Weight (kg)
GX-3.6	3600	1700	10.2	1.1	200	Y100L-6	1.5	Y100L-6	1.5	2829	6650
GX-5.18	5182	2134	21	0.4	300	Y132S-6	3	PZ0.8AB	0.8	5342	10460
GX-6	6000	2500	28.3	0.8	300	Y132M1-6	4	Y132S-8	2.2	6506	10573
GX-7.5	7500	2800	44.1	0.427	300	Y132M2-6	5.5	Y132S-8	2.2	10258	17320
GX-9	9000	2800	63.6	0.427	300	Y132M2-6	5.5	Y132S-8	2.2	15980	23680
GX-12	12000	3600	110	0.35	300	Y132M-4	7.5	Y100L1-4	2.2	25589	42756
GX-15	15000	4000	177	0.15	300	YCT200-4B	7.5	Y112M-6	2.2	36050	59000
GX-18	18000	4400	254	0.13	400	YCT200-4B	7.5	YTC752A-44	5.5	52485	73296
GX-20	20000	4400	314	0.13	400	YCT200-4B	7.5	YTC752A-44	5.5	59365	76020