



## ▶ **Thickener with Peripheral Roller Transmission**

### **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

Traditional type, simple structure, and low material consumption.

### Application

It is suitable for the occasions of large capacity and low product concentration, and mainly used for the thickening of ore concentrate and the dewatering of tailings in mineral processing plants, also for the thickening and purification of the liquid containing solid particles in coal industry, chemical industry, building materials, and water source & sewage treatment industry.



### Technical Parameters

Model	Thickening Tank Diameter (mm)	Thickening Tank Center Depth (mm)	Capacity (t/d)	Subsidence Area (m <sup>2</sup> )	Motor Model	Motor Power (kW)	Weight (kg)
NG-15	15000	3612	88~390	177	Y132M2-6	5.5	11702
NG-18	18000	3500	127~560	255	Y132M2-6	5.5	9718
NG-24	24000	3400	226~1000	452	Y160M-6	7.5	24000
NG-30	30000	3940	353~1570	707	Y160M-6	7.5	31000
NG-45	45000	5060	790~2400	1590	Y160L-6	11	50640
NG-53	53000	5070	1000~3400	2202	Y160L-6	11	60910

## ► Flocculant Feeding Device

### Principle

Flocculant is added to spiral conveyor and then get to the use point through spiral.

### Features

Flocculant adding can be adjusted from zero.  
Stainless steel.

### Application

widely used in chemical agent adding in feed water treatment, sewage treatment and electric power industry.

### Technical Parameters

Model	Motor Model	Motor Power (KW)	Weight (kg)	Remarks
XNJ-15	110S252	0.185	160	Patented product

