



## Central drive thickener

### Brief introduction:

Concentration is a method to reduce sludge volume. In the process of sludge treatment, gravity concentration is generally used as the pretreatment form of sludge dewatering operation.

The thickener produced by our company is divided into central and peripheral transmission, with a wide range of application. In the production process, the product structure and performance



are continuously improved, which is deeply welcomed by the majority of users.

### Purpose:

HGN central drive thickener is suitable for thickening activated sludge in municipal, light industry, mining, smelting, steel and other industries.

### HGN type principle:

HGN type central drive thickener adopts worm drive (central rotary gear is adopted for  $d > 16m$ ). Longitudinal mixing grid bar is set on the mud scraper arm. When the scraper arm rotates, the grid bar plays a role in mixing and accelerating the sinking of activated sludge. The linear speed of the outer edge of the mud scraper plate is  $\leq 3m / min$ . the whole mud scraper mechanism can be manually adjusted  $\pm 200mm$ .

### HGN specifications and main technical parameters:

Model	Performance		Basic dimensions (mm)					Recommend ed pool depth H(m)	Pool bottom slope (i)
	Power (kw)	Outer edge	D	A	B	C	h		
HGN-4	0.37	0.85	4000	200	340	55	250	3.5	1:10
HGN-6	0.55	1.4	6000						
HGN-8		1.76	8000	320	400	450	4.5		1:12
HGN-10	0.75	1.3	10000						
HGN-12		1.56	12000						
HGN-14		1.63	14000						
HGN-15	1.5	2.46	15000				474		
HGN-16		2.62	16000						
HGN-18		2.95	18000						