天河水务

NZS 型中心传动浓缩机 TYPE-NZS CONCENTRATOR BY CENTRAL TRANSMISSION

用 途 Applications

主要用于污水处理厂（站）的浓缩池中，用来对污泥进行浓缩处理，减小污泥体积，为下一步脱水提供条件。一般适用于较小的池径（Φ6–20m），池径小于14m时，采用蜗轮蜗杆传动，大于14m时，采用减速机带动回转支承传动。

The Concentrator is mainly used for concentrating tanks in sewage treatment plants (stations), where sludge is concentrated and its volume gets smaller to prepare for its separation from water next step. Usually the Concentrator is applied to tanks with small diameters (6 to 20m), when the diameter is less than 14m, the Concentrator is transmitted by worm and worm gear,when the diameter is more than 14m, transmitted by reducer jointly with reverse stand.

型号示例 Type and Its Indication

工作原理及构造 Working Principle and Strucre

浓缩机由中心传动装置驱动传动轴、刮臂等旋转，刮臂上的刮板将污泥由池边逐渐刮至池中心的泥坑中，通过排泥管排出池外。刮臂上固定有搅拌栅条，旋转时对污泥搅动使水和气体外溢，提供絮状污泥的沉降空间，加速污泥的下沉，提高浓缩效果。

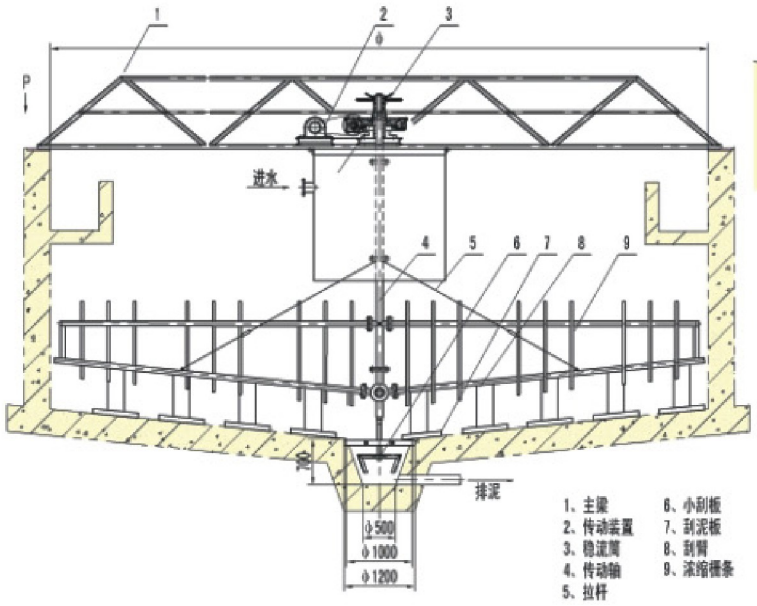
Driven by central transmission device, the transmission shaft, scraping arm, and etc, rotate with the Concentrator, the scraping boards on the arm scrape sediment and make sediment converged on the sludge hopper in the center of the tank, and the sediment is removed out of the tank through sediment discharge pipe, when the agitating bars fixed on the arm rotate, they can remove sediment and make room for settlement of flocculent sludge and bars'rotating can accelerate settling and improve concentrating of the sludge.

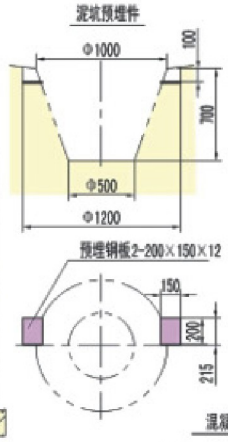
特 点 Features

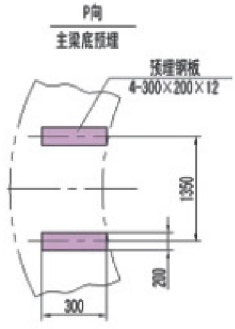
1. 采用减速机与蜗轮传动,传递力矩大，效率高，并设有扭矩保护装置，使用安全。
2. 负荷过大时，水下刮泥系统可手动(或电动)进行提升，再逐步下降，逐层刮去污泥。
3. 集泥坑带有小刮板搅动刮泥，排泥彻底，不堵塞。

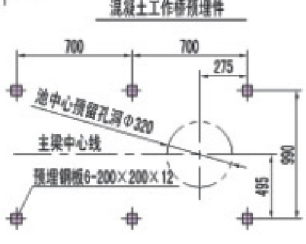
1. The Concentrator is transmitted by decelerator and worm gear with large torsion and high efficiency; it is safe for the concentrator to operate because the torsion protection device is equipped.
2. When the Concentrator is overloaded, the scraping system under water can be lifted by hand (or by a motor), then be lowered step by step to scrape sludge layer by layer.
3. Without being blocked up, the sediment hopper can discharge sediment completely by agitating and scraping of the little scraping boards in the hopper.

NZS4–14外形结构及技术性能参数表 Outlines and Configurations and Technical and Performance Parameters









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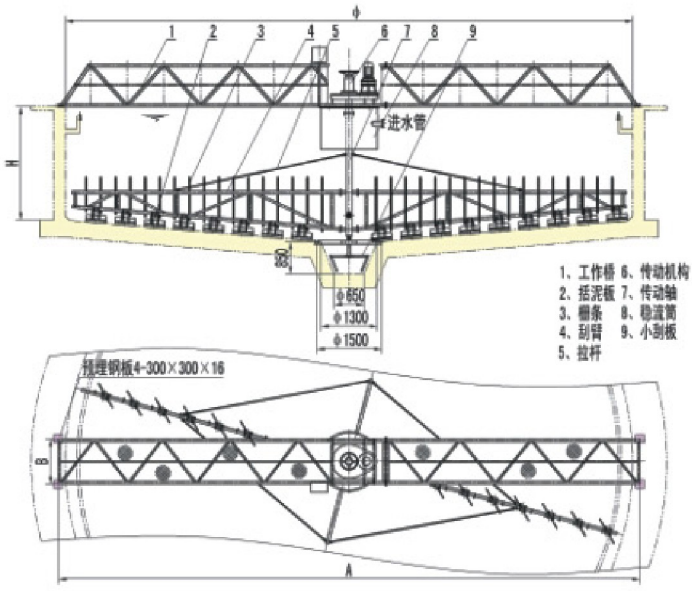
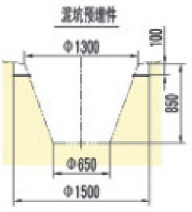
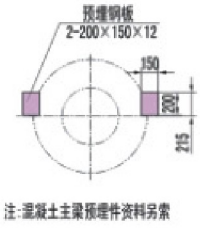
项目 \ 参数	池径Φ (m)	功率 (kW)	周边线速度 (m/min)	推荐池深H (m)	池底坡度 (i)
NZS-4	4	0.37	0.85	3~5	1:10
NZS-6	6	0.55	1.4		
NZS-7	7		1.56		
NZS-8	8		1.76		
NZS-9	9		1.63		
NZS-10	10	0.75	1.3		1:12
NZS-12	12		1.56		
NZS-14	14		1.63		

NZS15-20 外形结构及技术性能参数表 Shape and Technical Parameters





蜗轮传动装置



注:混凝土主梁预埋件资料另索

型号 \ 参数	性能参数		基本尺寸(mm)			推荐池深 H (m)	池底坡度 (i)	提耙高度 (mm)
	功率 (kW)	外缘线速 (m/min)	Φ	A	B			
NZS-15	1.5	2.46	Φ15000	15300	1450	3~5	1:12	200
NZS-16	1.5	2.62	Φ16000	16300	1450			
NZS-18	1.5	2.95	Φ18000	18300	1600			
NZS-20	1.5	3.24	Φ20000	20300	1600			

订货说明 Requirements for Order

1. 注明水下部件的材质(碳钢或不锈钢)。
2. 需要配套堰板、稳流筒时，请注明。
3. 订货时，提供详细土建资料。
4. 若需电动提耙，请注明。

1. Note material of underwater parts(carbon steel or stainless steel).
2. When matching weirs, flow steady cylinder are in need, note that.
3. Customers are supposed to supply with ground construction reference material in detail when ordering.
4. Please specify if you need electrical rake-rising unit.