



天河水務

LCS型链条除砂机

TYPE-LCS CHAINED SAND REMOVER

● 用途 Applications

链条除砂机主要用于污水处理厂（站）的平流沉砂池中，将沉砂池底部的沉砂刮至池外。

The Remover is mainly used in the horizontal aerated grit chamber in sewage treatment plants (stations), the sand settled on the bottom of the tank is removed out by scraping.

● 工作原理及构造 Working Principle and Structure

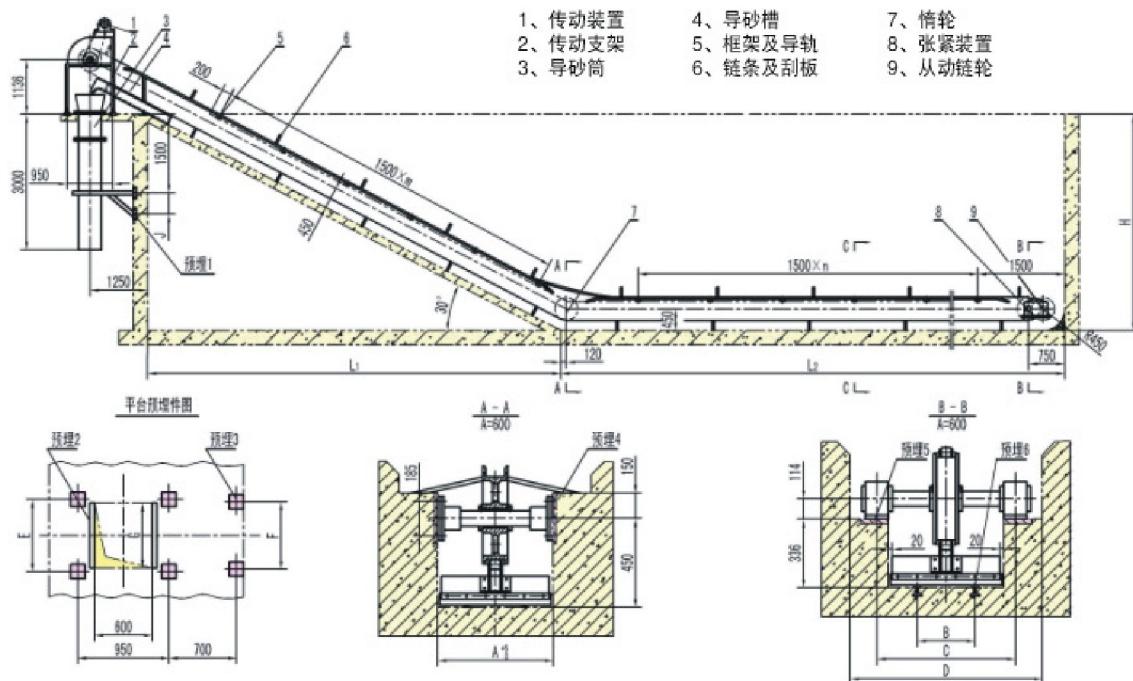
链条除砂机主要利用回转链条上的刮板，将沉于池底的砂刮出池外，进入收集斗中，完成砂水分离，可连续运行，也可间歇运行，排出的砂接近干砂，无需再进行分离。链条除砂机主要由传动装置、传动支架、导砂筒、导砂槽、框架及导轨、链条及刮板、惰轮、张紧装置、从动链轮组成。

● 特点 Features

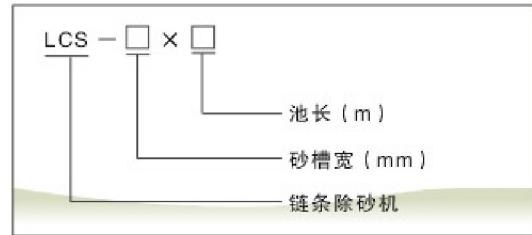
1. 采用特制链条，传动可靠。
2. 采用防水轴承，寿命长。
3. 结构合理，运行平稳。
4. 刮砂彻底，效率高。

● 技术性能参数及外形尺寸表 Technical Parameters Shape and Size

型 号	参 数	集砂槽净宽 (mm)	刮板线速 (m/min)	功 率 (kW)	排砂能力 (m ³ /h)
LCS-600		600		0.37~0.75	2
LCS-1200		1200	3	0.75~1.5	4.5



● 型号示例 Type and Its Indication



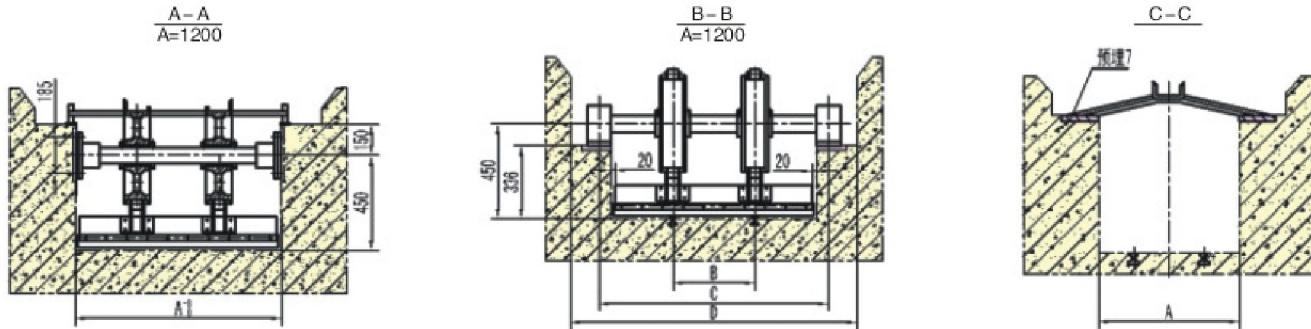
The sand settled is removed out of the tank by scraping of rotary scraping boards on the chain of the Remover, then goes into collection hopper and sand is separated from water. The Remover may be continuously operated or be operated in batches, and the sand discharged is nearly dry sand without additional separation. The Remover is mainly composed of transmission device, stand of transmission, tube of sand, transmission trough of sand, frame, guide track, chain and scraping boards, stretcher, and driven wheel track.

1. Adopts specially made chain with reliable transmission.
2. Adopts waterproof bearings with long service life.
3. Rational structure, stable operation.
4. Scrapes sand completely, high efficiency.



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LCS型链条除砂机 TYPE-LCS CHAINED SAND REMOVER



● 外形及尺寸 Shape and Size

尺寸 型号	A	B	C	D	E	F	G	J	H	L ₁	L ₂
LCS-600	600	300	720	1000	750	700	700	315			
LCS-1200	1200	900	1320	1600	1530	1400	1275	600	≤5000	H/tg30°	≤18000

● 预埋件表 Embedded Parts

尺寸 型号	1	2	3	4	5	6	7
LCS-600	800×150×10 上下共二块	700×50×10 共二块	150×150×12 共二块	300×300×12 共二块	970×150×12 共二块	9#轻轨，轨顶 高于池底5mm 共二根	100×100×10 2 (m+n+2) 块
LCS-1200	1300×350×12 共二块		350×350×12 共二块				150×150×10 2 (m+n+2) 块

● 订货说明 Requirements for Order

- 图中L₁、L₂尺寸可根据用户提供的工艺图制作。
 - 如需扩大池宽或用于其它介质的污水，应提供工艺参数订货。
 - 当老池进行改造时，提供原池形尺寸。
 - 当需要加长落料斗时须另订，预埋件1为间隔1500mm重复。
1. The size of L₁ and L₂ in the diagram may be adjusted according to the process diagrams offered.
2. Customers are supposed to provide process parameters if they need to enlarge the width of the tank or the Remover to be used in treatment of sewage with other media when placing orders.
3. If the existing tank is to be reformed, its size expected to be provided with.
4. Orders need specially giving when the length of discharging hopper need enlarging, and the pre-embedded parts are set to have a space of 1500mm between two same ones.

