

污水处理固液分离设备

YOSUN ENVIRONMENTAL

无锡源申环保设备有限公司

Wuxi Yosun Environmental Protection Equipment Co.,Ltd.

科技改变环境 技术创造价值

产品手册

PRODUCT CATALOG

源申环保

YOSUN ENVIRONMENTAL

源申环保
YOSUN ENVIRONMENTAL

Professional supplier of solid liquid separator for waste water treatment

DL叠螺式污泥脱水机
DL Volute Sludge Dewatering Machine

Professional design | Exquisite craftsmanship | Focus on separating

产品简介

叠螺式污泥脱水机源于国外先进技术，后引进国内实现国产化。叠螺污泥脱水机巧妙运用自动更新滤饼过滤技术代替了传统滤筛过滤，自身更新滤饼过滤技术确保脱水机连续稳定的泥水分离效果，通过螺杆直径和螺距变化产生的强大挤压力，以及游动环与固定环之间的微小缝隙，实现对污泥进行挤压脱水，是一种新型的固液分离设备。



DL Volute Sludge Dewatering Machine

Screw sludge dewatering machine, originating from the advanced technology of foreign countries, is introduced into China to realize localization. The automatic renewal filtration technology is cleverly used in the sludge dewatering machine to replace the traditional filter screen filtration. The self-renewal filtration technology ensures that dewatering machine can separate sludge from sewage water stably. It is a new solid-liquid separation equipment to extrude and dehydrate the sludge through the strong extrusion pressure caused by the change of screw diameter and pitch, as well as the small gap between the floating ring and the fixed ring.







源申环保
YOSUN ENVIRONMENTAL

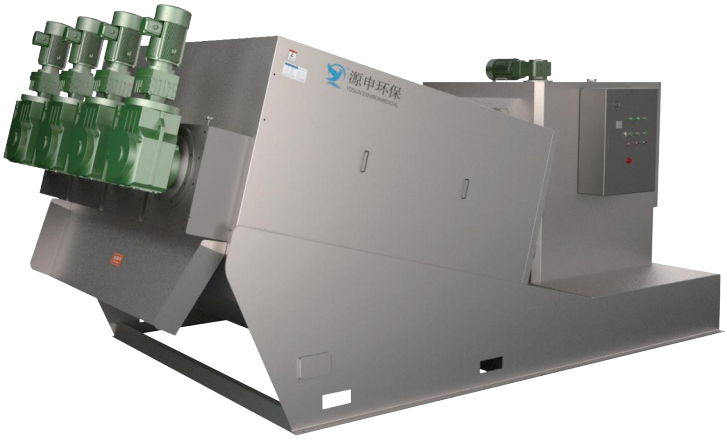
Professional supplier of solid liquid separator for waste water treatment

Professional design | Exquisite craftsmanship | Focus on separating

构造以及工作过程

叠螺污泥脱水机由叠螺体、驱动装置、滤液槽、混合系统、架体等组成。

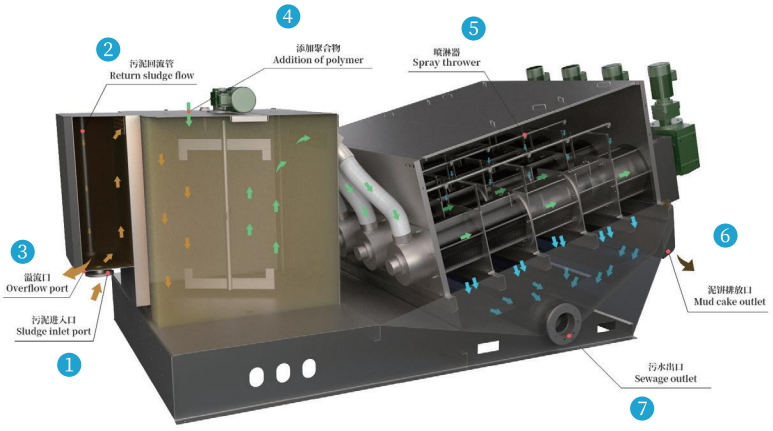
叠螺污泥脱水机工作时，通过污泥泵将污泥提升至混合槽后，此时，加药泵也定量地对混合槽输送药液，搅拌电机带动整个搅拌系统将污泥与药液进行充分混合，从而产生矾花，当液位达到液位传感器上位时，此时液位传感器得到信号，使得叠螺主体电机工作，从而开始压滤流入至叠螺主体内污泥，在螺旋轴的作用下，将污泥一步一步提升至污泥出口，滤液则从固定环和游动环之间的间隙中流出来。



Working Process

Screw press is composed of Screw body, Driving motor system, Inlet mixing system, Collection water tank, Back-washing system, etc.

When running, the sludge is lifted to the mixing tank through the sludge pump and meanwhile the dosing pump quantitatively transports chemical to the mixing tank. The Agitator drives to mix the sludge and the chemical agent to generate alum. When the liquid level reaches the upper position of the liquid level sensor,then it gets the signal which makes the screw press main motors work. After that, screw press starts to press and filtrate the sludge water flowing into the screw body. Under the working of spiral shaft, the sludge is lifted to outlet step by step, with filtration water flowing out from the gap between fixed rings and moving rings.



1. 污泥进入口Sludge inlet port
2. 污泥回流管Return sludge flow

※水箱中的污泥如果超过限位就会通过管子回流出来。

※If the sludge in the tank of sewage outlet exceeds the limit It comes back out through a tube.

3. 污泥溢流口Sludge overflow port.
4. 添加聚合物Addition of polymer.
5. 喷淋器Spray thrower.
6. 泥饼排放口Mud cake outlet.
7. 污水排放口Sewage discharge outlet.

污水 Sewage

污水混合聚合物 Sewage mixed polymer

污泥 Sludge

泥饼 Mud cake

源申环保
YOSUN ENVIRONMENTAL

Professional supplier of solid liquid separator for waste water treatment

DL叠螺式污泥脱水机
DL Volute Sludge Dewatering Machine

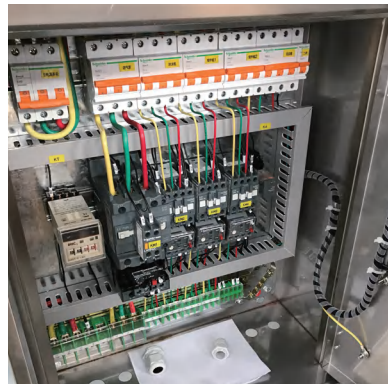
Professional design | Exquisite craftsmanship | Focus on separating

产品优势

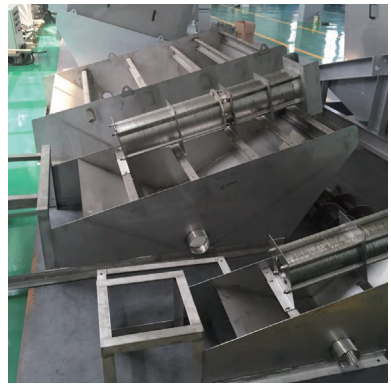
1. 使用广泛:各行业的污泥脱水;
2. 不易堵塞:独特的动、静环滤缝结构设备不易堵塞;
3. 连续自动运行:24小时可以连续无人运行;
4. 节省运行成本:一体化设计,设计紧凑,大幅度节省运行费用;24小时全自动无人运行,人工费大幅度降低;设备占地面积小,降低土建投资;
5. 轻巧耐用:机体几乎全部采用不锈钢材质,更换部件只有螺旋轴和游动环,使用寿命长,经久用;

Product Advantages

1. Widely used:sludge dewatering in different fields.
2. Not easy to block: unique moving and fixed structures.
3. Continuous auto operation: 24 hours continuous unmanned operation.
4. Saving cost: Compact design, unmanned operation and small floor space.
5. Durable and long service life: stainless steel structure.








DL叠螺污泥脱水机外形尺寸表

DL Sludge dewatering machine Model Selection Table:

型号 Model	处理能力 (kg-DS/h)	螺旋轴规格 Spiral Diameter (mm)	泥饼排出口离地面距离 Discharge Distance (mm)	尺寸 Dimension(mm) L	W	H	设备重量 Net Weight (kw)	运行重量 Operating Weight (kg)	功率 Power (kw)
DL131	4～14	¢130*1	340	2041	636	1006	240	330	0.4
DL132	8～28	¢130*2	302	2139	886	1006	330	480	0.6
DL201	8～20	¢200*1	432	2434	768	1307	400	650	0.57
DL202	16～40	¢200*2	433	2484	914	1307	560	760	0.94
DL203	24～60	¢200*3	433	2586	1244	1527	850	1050	1.51
DL251	12～25	¢250*1	474	2593	768	1569	450	700	0.57
DL253	24～75	¢250*3	433	2836	1244	1527	1370	1570	1.51
DL301	20～70	¢300*1	568	3138	969	1821	860	1250	0.95
DL301L	20～70	¢300*1	638	3324	710	1659	860	1250	1.5
DL302	40～140	¢300*2	523	3334	1162	1608	1300	1900	1.65
DL302L	40～140	¢300*2	555	3531	1100	1872	1400	2000	1.65
DL303	60～210	¢300*3	560	3477	1605	1821	1700	2600	2.2
DL304	90～280	¢300*4	504	3736	2030	1816	2050	2950	2.95
DL351	40～120	¢350*1	676	3819	1000	2179	1500	2480	1.65
DL352	80～240	¢350*2	657	3919	1375	2179	2950	4500	2.75
DL353	120～360	¢350*3	658	4120	1905	2181	4350	6750	4.05
DL401	67.5～160	¢400*1	676	3819	1000	2179	1950	2900	1.65
DL402	135～320	¢400*2	657	3919	1375	2179	3300	4900	2.75
DL402L	135～320	¢400*2	687	4787	1430	2458	3500	5100	3.55
DL403	200～480	¢400*3	658	4120	1905	2181	4350	6750	4.05
DL403L	200～480	¢400*3	686	5206	2040	2458	4550	6950	5.6
DL404	266～640	¢400*4	657	3919	2760	2179	5450	7650	5.5
DL404L	266～640	¢400*4	686	5206	2620	2458	4550	6950	7.5

参数表说明

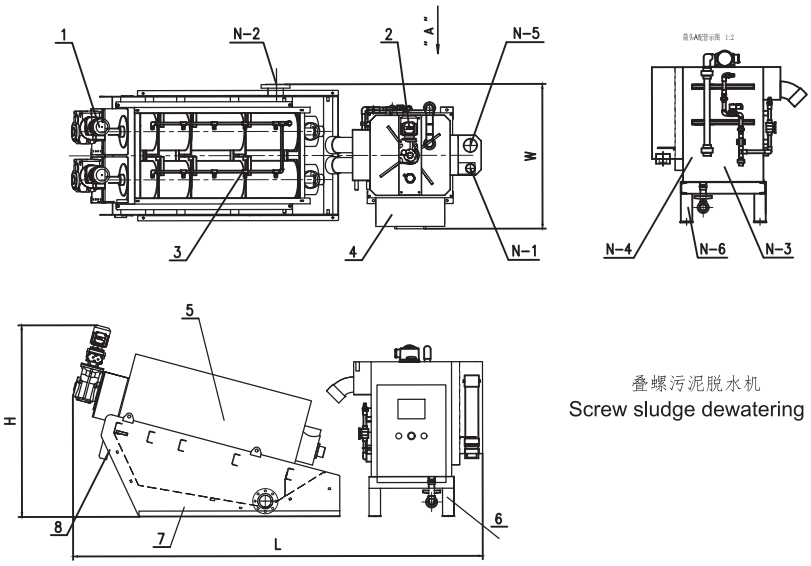
Selection Table Note

样本参数及图片仅供参考，源申公司保留持续改进的权利，所有参数以双方确认为准。如有任何技术问题，请与我们联系。

The Parameters and Pictures are only for reference. Yosun reserves all rights.All parameters are subject to the confirmation of both parties. More technical questions, please feel free to contact us.

DL叠螺污泥脱水机外形图

DL Sludge Dewatering Machine Outline Dimension



叠螺污泥脱水机

Screw sludge dewatering

1. 电机1.Motor
2. 絮凝混合搅拌机2.Flocculation mixer
3. 叠螺主体3.Screw body
4. 电控柜4.Electric control cabinet
5. 边盖5.Side cover
6. 絮凝混合槽底座6.Base of flocculation mixing tank
7. 叠螺主体底座7.Screw body base
8. 泥饼排出口8.Dry Sludge outlet
N-1. 污泥输送口N-1.Sewage inlet
N-2. 滤液排出口N-2.Filtration discharge
N-3. 供水口N-3.Feed water inlet
N-4. 药液输送口N-4.Chemical dosing inlet
N-5. 回流口N-5.Returning pipeline
N-6. 混合槽排空口N-6.Vent of mixing tank

专注分离 服务环境

无锡源申环保设备有限公司

Wuxi Yosun Environmental Protection Equipment Co.,Ltd.

电话TEL:+86-0510-85264060

传真FAX:+86-0510-83157565

邮箱Email:service@wxyosun.com

网址Web:(英文) https://wxyosun.com

(中文) https://www.wxyshb.com

第四版