



天河水务

JB、JJ 型机械加速澄清池搅拌机、刮泥机

TYPE-JB、JJ ACCELERATING CLARIFIER-TANK AGITATING SCRAPER

● 用途 Applications

1. 该类型设备具有反应与沉淀双重功能，适用于中小型生活饮用水和工业自备水的澄清处理，一般当进水悬浮物含量不超过1000mg/L，短时间不超过3000mg/L时，可不设置机械刮泥；当进水悬浮物含量经常超过1000mg/L，短时间不超过10000mg/L时，需要采用机械刮泥。
2. 当池径 $\geq 24\text{m}$ 时也必须设置机械刮泥部分。
3. 当悬浮物经常超过5000mg/L时应加预沉池。
4. 出水浊度一般不大于10mg/L，短时间不大于50mg/L。
5. 进水温度变化应不大于 2°C 。
6. 后续一般需配套无阀滤池，悬浮物含量可至3~5mg/L。
7. 可设计成带斜板或斜管形式，以提高沉淀效果。

1. This equipment has reacting and settling functions; it can be applied to clarify medium and small-sized drinking water self-contained water for industry. Mechanical scraper can be omitted if suspended substance content rate is less than 1000mg/L or less than 3000mg/L in a short time. Mechanical scraper is needed if suspended substance content rate is more than 1000mg/L constantly or less than 10000mg/L in a short time.
2. Mud scraper is required to set when the diameter of tank exceed 24m.
3. Preliminary sedimentation tank should be added if suspended substance content rate is more than 5000mg/L constantly.
4. Water-yielding turbidness should not exceed 10mg/L or 50mg/L in a short time.
5. The variation of inlet temperature should be less than 2.
6. Filter chamber without valve can be mated in the subsequent process, suspended substance content rate can reach 3~5mg/L.
7. Slope board or tube can be added in the process of design to strengthen the effect of settling.

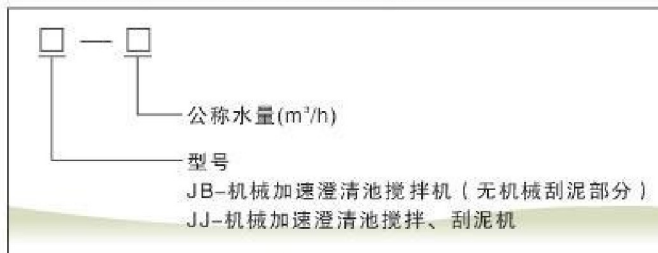
● 特点 Features

1. 采用调速电机驱动的蜗轮蜗杆传动平稳、噪音小，速度和开度均可调节以满足不同工况要求。
2. 公称水量不超过600m³/h的刮泥传动装置采用摆线加蜗轮蜗杆传动，并与搅拌机采用套轴结构以节约材料。
3. 由于回流提升作用，散失污泥得到第二次絮凝反应，提高了沉淀效果。
4. 出水采用辐条结构，均匀清澈。
5. 复合式的池形结构，使整个工艺容积负荷更高。
6. 公称水量在800m³/h~2200m³/h范围的一般采用销齿传动形式，刮泥机与搅拌机独立工作，刮泥机采用销齿后，传动力距大，且有脉冲观测、控制装置，防止水下事故发生。

● 技术性能参数 Technical Parameters

参数 公称水量	池径 Φ (m)	池深 H (m)	总容积 (m ³)	搅拌机					刮泥机		
				功率 (KW)	叶轮直径 $\Phi 1$ (m)	叶轮高度 K (mm)	开启度 Q (mm)	外缘线速 (KW)	功率 (KW)	刮臂直径 $\Phi 2$ (m)	外缘线速 (m/min)
20	3.1	4.7	29	0.75	0.62	550	0~60	0.5~1.5			
40	4.5	5.0	66	0.75	0.90	600	0~70				
60	5.5	5.13	101	0.75	1.10	700	0~80				
80	6.2	5.15	130	1.5	1.24	750	0~90				
120	7.5	5.15	193	1.5	1.50	800	0~110				
200	9.8	5.3	315	3.0	2.0	850	0~110		0.75	6.0	1.5~3.5
320	12.4	5.5	504	3.0	2.0	850	0~170		0.75	7.5	
430	14.3	6.0	677	4.0	2.5	1100	0~175		0.75	9.0	
600	16.9	6.35	945	4.0	2.5	1100	0~245		0.75	10.5	
800	19.5	6.85	1260	5.5	3.5	1200	0~230		1.5	12.0	
1000	21.8	7.2	1575	5.5	3.5	1300	0~290		1.5	13.5	
1330	25.0	7.5	2095	7.5	4.5	1300	0~300		1.5	15.0	
1800	29.0	8.0	2835	7.5	4.5	1300	0~410		1.5	17.0	
2200	31.0	9.35	3200	11	4.8	1300	0~420		2.2	18.2	

● 型号示例 Type and Its Indication



1. Worm and gear driven by adjustable-speed motor, with smooth transmission and little noise, the speed and jaw opening can be adjusted to meet different work condition requirements.
2. Screwing gearing is adopted when nominal water rate is less than 600m³/h in a scrape transmission device, sleeve spindle structure can be applied with an agitator to save stuff at the same time.
3. By the functions of back flow and lifting, dissipated sludge is made to flocculate reaction for deposit effectiveness.
4. Spoke structure is used in yielding water; yielding water is even and clear.
5. Composite tank structure makes the capacity and load even higher in the whole process.
6. Pin gear transmission structure is generally used when nominal water rate is between 800m³/h and 2200m³/h, scraper and agitator operate separately, and torque in pin gear transmission is big in the scraper. Pulse observation and control device is set to avoid the happening of underwater malfunction.

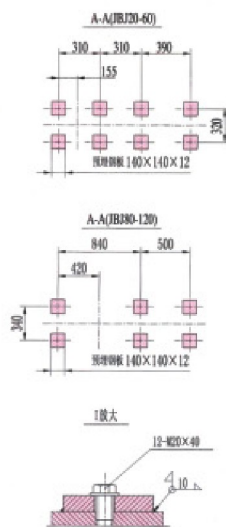
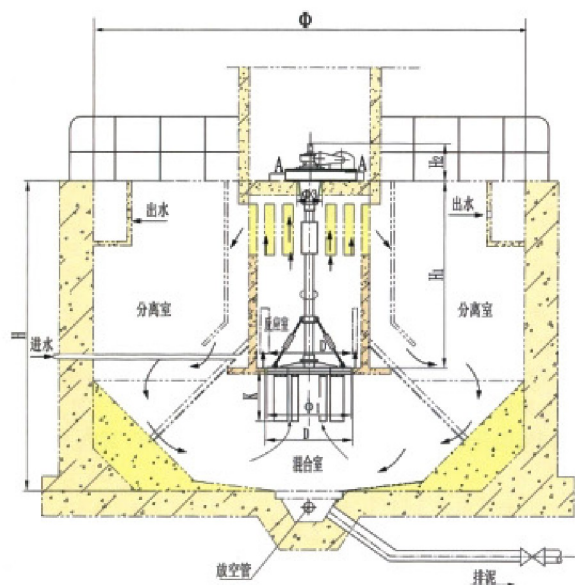


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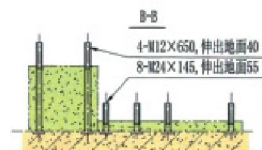
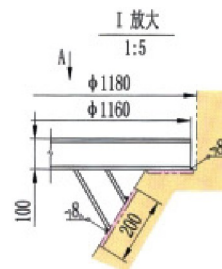
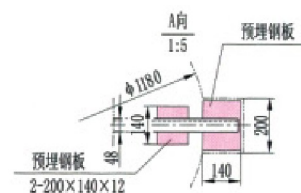
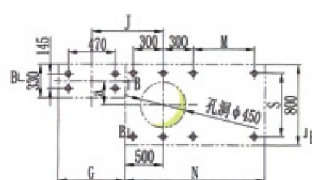
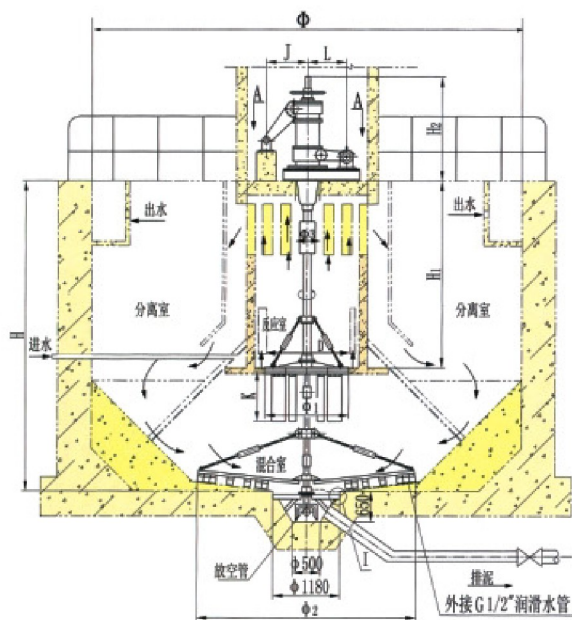
TYPE-JB、JJ ACCELERATING CLARIFIER-TANK AGITATING SCRAPER

JB20-120外形尺寸 Type JB20~120 Outline Dimension



					mm
尺寸 型号	H1	H2	D	Φ 3	
JB20	3130	825	680		
JB40	3130	873	960		
JB60	3130	845	1160		
JB80	3130	781	1300	600	
JB120	3130	801	1560	600	

JJ200-600外形尺寸 Type JJ200~600 Outline Dimension



型号	尺寸	H1	H2	D	Φ3	E	G	J	L	M	P	N	a	S
JJ200		2750												
JJ320		2750	1945	2060	450	610	670	738	696	611	380	1400	184	600
JJ430		2750												
JJ600		2850	2370	2560		600	600	800	810	805	500	1750	235	630

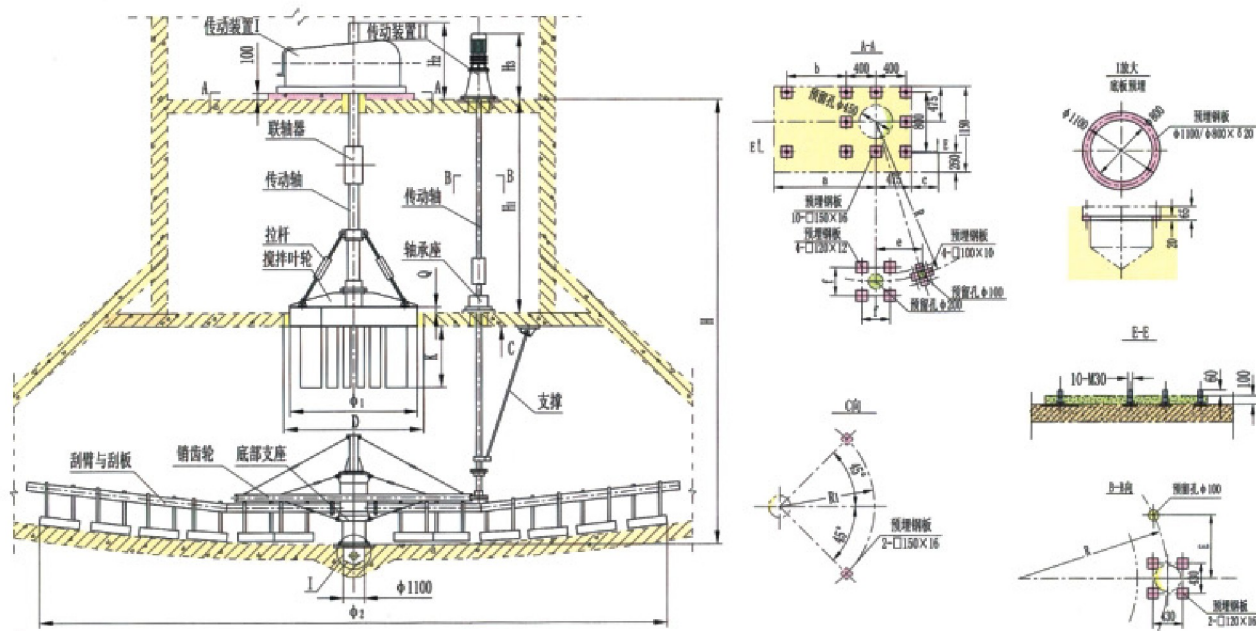


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JB、JJ 型机械加速澄清池搅拌机、刮泥机

TYPE-JB、JJ ACCELERATING CLARIFIER-TANK AGITATING SCRAPER

● JJ800-2200外形尺寸 Type JJ800~2200 Outline Dimension



mm

型号	尺寸	H1	H2	H3	D	Φ3	R	a	b	c	d	e	f	R1
JJ-800	3060		1480	1160	3560	450	2144	1375	800	361	1150	504	380	1370
JJ-1000	3350													
JJ-1330	3550		1712	1419	4560		2563	1425	850	494	1190	536	420	2100
JJ-1800	4050													
JJ-2200	4950		1762	1495	4860		2891	1520	800	494	1190	640	300	2110

● 订货说明 Requirements for Order

- 1、对照应用场合及工艺要求合理选型，注明型号规格及标高等参数，不注明表示均按 S774 标准图订货。
- 2、电控箱、变频器(非励磁调速)、集水槽、斜板或斜管、排泥阀、所有预埋件等均应另外订货。
- 3、水下材料(分不锈钢、碳钢)及防腐等不注明时，表示均按碳钢(座体为铸铁)普通防腐订货。
- 4、流量小于 120m³/h，一般可制成钢制池体，订购钢制池体或有其它要求，资料另索。

1. Select properly according to applications and process requirements, note types, specifications and height mark and etc. Goods based on S774 standard drawings will be supplied without notes.
2. Electric cabinet, frequency-changer (if not magnetization speed regulation), collecting tank, slope board or slope tube, mud valve, all embedded parts should be ordered separately.
3. If underwater parts (stainless steel or carbon steel) or anticorrosion materials and etc are not noted, ordinary anticorrosion carbon steel (with cast iron base) will be supplied.
4. Steel tank can generally be made if the flow rate is less than 120m³/h, if steel tank and other requirements is need; customers are required to offer more information.

