



青島頤華環保有限公司

QINGDAO YIHUA ENVIRONMENTAL PROTECTION CO., LTD

产品目录 PRODUCT CATALOG

LAMELLA CLARIFIER

沉淀池



沉淀池

Lamella Clarifier

设备简介 Equipment introduction

斜管沉淀池是根据哈真提出的“浅池理论”设计出的一种高效组合式沉淀池;在沉降区域设置均匀布置的斜管或斜板,使水中悬浮杂质在斜管(板)中进行沉淀,水沿斜管(板)上升流动,分离出的泥渣在重力作用下沿着斜管(板)向下滑至池底,通过排泥口定期排出。沉淀效率可提高50-60%。

The inclined tube sedimentation tank is a kind of highly efficient combined sedimentation tank designed based on the "shallow tank theory" proposed by Hartzin. In the sedimentation area, uniform inclined tubes or inclined plates are set to enable suspended impurities in the water to undergo sedimentation within the inclined tubes (plates). The water flows upward along the inclined tubes (plates), and the separated sludge slides down along the inclined tubes (plates) towards the bottom of the tank under the force of gravity, and is discharged regularly through the sludge discharge port. Settling efficiency can be improved by 50–60%.



沉淀池的核心优势 Key Advantages of Lamella Clarifier

极致的占地节省:

占地面积仅为传统沉淀池的10-20%。非常适合工厂升级改造或空间有限的场合。

Extreme Space Saving:

The footprint is only 10-20% of that of a traditional sedimentation tank. It is very suitable for factory upgrades or where space is limited.

低维护成本:

主体无运动部件(区别于刮泥机), 运行稳定, 维护工作量极小。

Low Maintenance:

The main body has no moving parts (unlike a scraper), stable operation, and minimal maintenance workload.

降低投资:节省大量土建成本和土地成本。设备预制, 现场安装快捷。

Reduced Investment: Save a lot of civil engineering and land costs. Prefabricated equipment allows for quick on-site installation.

运行稳定:能够有效应对进水流量和浓度的波动。

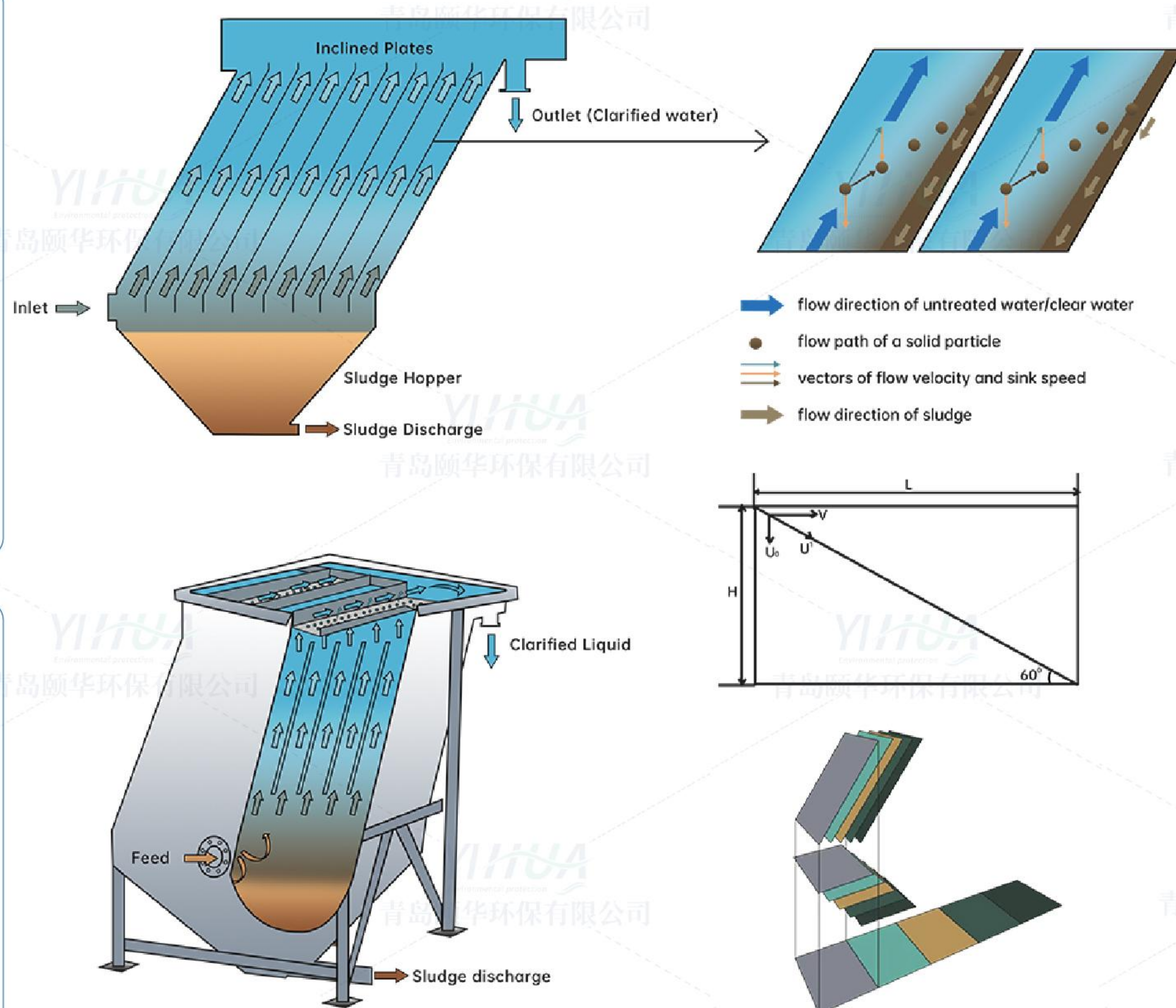
Stable Operation: Able to effectively cope with fluctuations in influent flow and concentration.

高处理效率:巨大的有效沉降面积, TSS (总悬浮物) 去除率可达 90-99%。

High Efficiency: Huge effective settling area, TSS (total suspended solids) removal rate can reach 90-99%.

污泥浓度高:锥形泥斗设计, 污泥浓缩效果好, 降低后续污泥处理成本。

Higher Sludge Concentration: The conical hopper design has good sludge concentration effect and reduces the subsequent sludge treatment cost.



广泛的应用领域 Wide Range of Applications

矿业 (Mining)



金属加工 & 电镀 (Metal Finishing & Electroplating)



市政水处理 (Municipal Water)



工业废水 (Industrial Wastewater)



食品 & 饮料 (Food & Beverage)



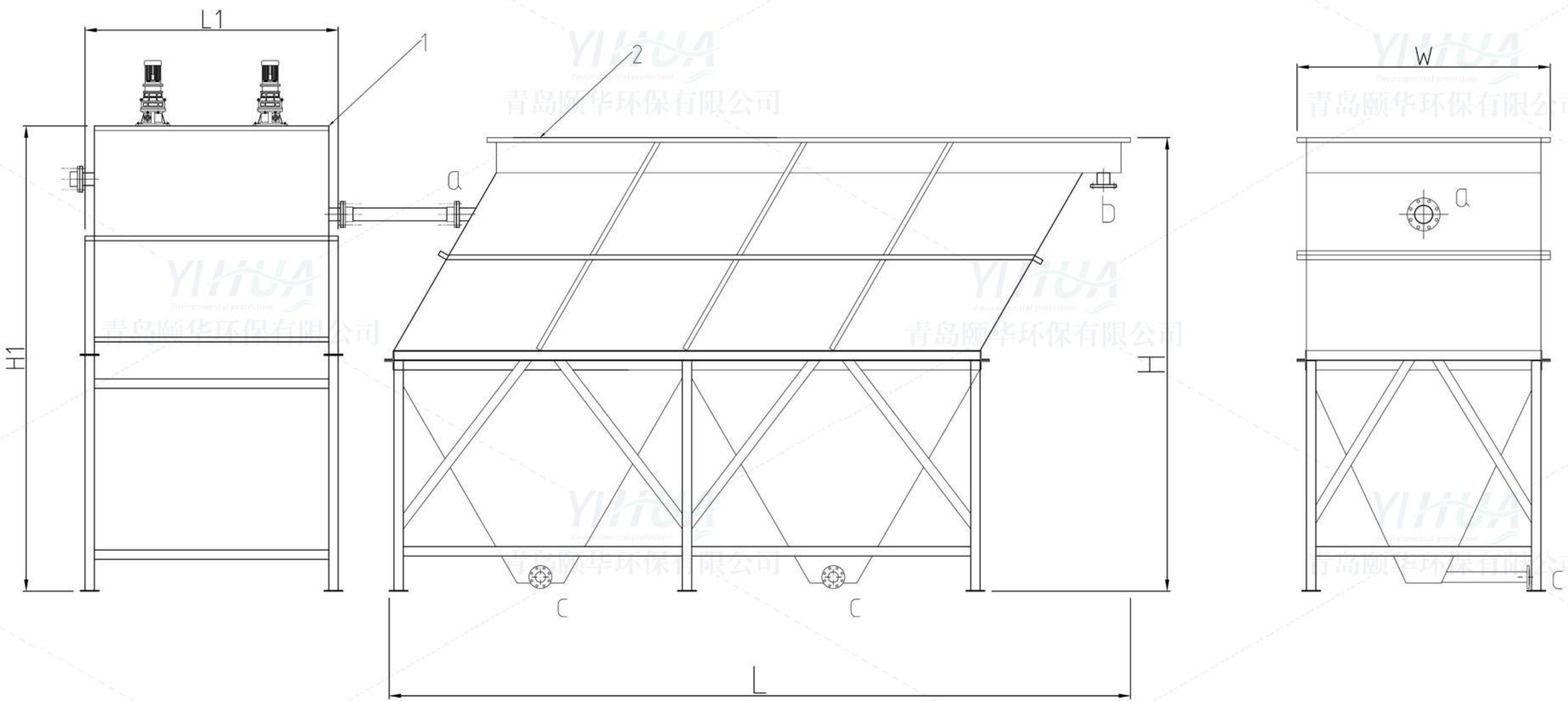
洗砂 & 骨料 (Sand & Aggregate Washing)



产品规格参数 Technical Specifications

容量 Capacity		尺寸(米) Dimension(m)			功率 Power	喷嘴尺寸 Nozzle size		
型号Model	处理量m³/h	长L	宽w	高H	功率kw	入口Inlet	出口Outlet	污泥出口 Sludgeoutlet
YHLC-1	1	1.6	0.9	2.3	/	DN40	DN50	DN80
YHLC-3	3	2.2	1.2	2.3	/	DN40	DN50	DN80
YHLC-5	5	2.9	1.6	2.8	/	DN40	DN65	DN85
YHLC-II-5	5	2.2	1.2	2.3	0.55	DN40	DN50	DN80
YHLC-10	10	5.2	1.8	3.1	/	DN65	DN100	DN80
YHLC-II-10	10	3.3	2.2	3.1	0.75	DN65	DN100	DN80
YHLC-20	20	5.9	2.2	3.75	/	DN100	DN150	DN100
YHLC-30	30	7.5	2.2	3.75	/	DN100	DN150	DN100
YHLC-II-30	30	4.7	3	3.75	1.1	DN100	DN150	DN100
YHLC-50	50	9.5	2.2	3.75	/	DN125	DN200	DN100
YHLC-70	70	11.5	2.2	3.75	/	DN125	DN200	DN100
YHLC-80	80	10.5	3	3.8	/	DN150	DN250	DN100
YHLC-100	100	11.5	3	3.8	/	DN200	DN250	DN100

外形图 Outside View



- 1、絮凝反应区（可选装管道絮凝装置） 2、兰美拉沉淀池
a、进水口 b、出水口 c、排泥口

- 1.Flocculation reaction zone (Optional pipe flocculation device)
2.Lamella clarifier
a.Water inlet b.Water outlet c.Mud outlet

耗材表 Consumable List

配件名称 Parets Name	配件图片 Accessories Pictures	备注 Remarks
电动排泥阀 Electric mud discharge valve		按照客户要求可自行选配 Optional according to customer requirements
斜板 Inclined Plate		按照客户要求可自行选配 Optional according to customer requirements

公司简介

Company profile

Founded in Qingdao, Shandong Province in 2010, Yihua Environmental Protection is a professional manufacturer specializing in the R&D, manufacturing, and system solutions of environmental protection equipment.

The company currently has over 100 employees, including 20 certified design engineers. The team covers the entire chain from R&D and production to construction and after-sales service. It has obtained CE and ISO system certifications and holds multiple independently developed patents.

Its core businesses cover wastewater treatment and waste disposal. For wastewater treatment, its main products include Lamella clarifiers, dissolved air flotation machines, MBBR systems, CIP systems, and screw presses. Complete wastewater treatment systems can be customized to meet specific needs, and full-cycle services are provided.

The company has established a comprehensive service system both domestically and internationally: lifetime maintenance for all equipment in China, with 24/7 online technical support, 2-hour rapid response, and 24/8 on-site service during the warranty period; overseas, it has sample rooms providing on-site installation, commissioning, technical support, and after-sales maintenance.

Currently, the company has developed into a comprehensive environmental purification service provider integrating R&D, design, manufacturing, installation, and operation and maintenance, possessing a strong influence in the industry.



企业资质 Enterprise qualification



青岛颐华环保有限公司

- 地址：山东省青岛市西海岸新区明关路729号
- 网址：www.yihuaep.com
- 全国免费电话：0532-85138788

Address: No. 729 Mingguan Road, West Coast New District, Qingdao City, Shandong Province
Web: www.yihuaep.com
Tel: 0532-85138788