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青岛颐华环保有限公司

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Environmental protection



CPI 斜板隔油池

CORRUGATED PLATE INTERCEPTOR

产品目录 PRODUCT CATALOG



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QINGDAO YIHUA ENVIRONMENTAL PROTECTION CO., LTD

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斜板隔油池

Corrugated Plate Interceptor

设备简介 Equipment introduction

斜板隔油池 (CPI) 是含油废水预处理专用重力式油水分离设备, 依托油水密度差和浅池理论, 通过内置倾斜斜板缩短油珠上浮距离, 高效分离污水中的浮油、分散油及泥沙。全程无需添加化学药剂, 占地小、分离效率高、运维成本低, 浮油去除率超90%, 广泛用于石化、机械加工、食品、汽修等行业含油废水前端预处理。



CPI (Corrugated Plate Interceptor) is a special gravity oil-water separation equipment for oily wastewater pretreatment. Based on oil-water density difference and shallow pool theory, it shortens the floating distance of oil droplets via built-in inclined plates, efficiently separating floating oil, dispersed oil and sediment from wastewater. No chemical additives are needed in the whole process. It features small occupation, high separation efficiency and low operation cost, with oil removal rate over 90%. It is widely used for front-end pretreatment of oily wastewater in petrochemical, machining, food, auto repair and other industries.



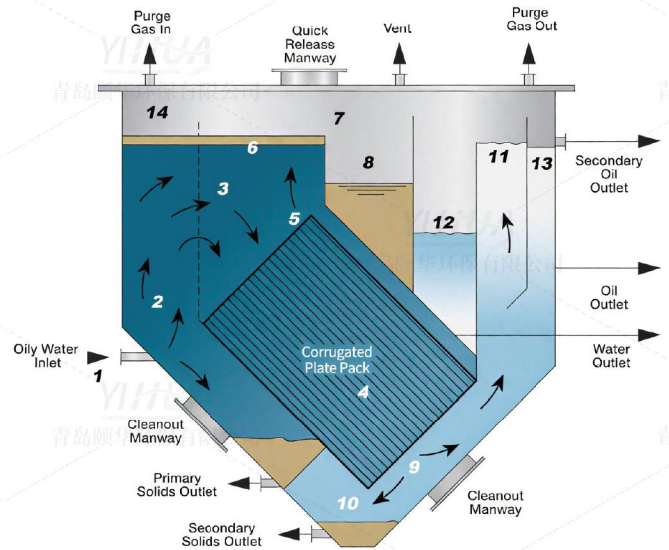
斜板隔油池的核心优势 Key Advantages of Corrugated Plate Interceptor

节省90%占地:

CPI通过斜板将沉降面积垂直叠加。我们的CPI设备占地面积仅为同等处理量API池的10-20%，为您节省宝贵的土地和土建投资。

90% Footprint Reduction:

CPI vertically stacks settling areas using inclined plates. Our CPI equipment occupies only 10-20% of the footprint of an API tank with equivalent processing capacity, saving you valuable land and civil engineering investment.



零功耗, 零药耗:

CPI主体依靠重力流运行, 无运动部件, 无需用电 (刮油机除外), 无需投加化学药剂, 极大降低您的运营成本。

Zero Power, Zero Chemicals:

The CPI core operates via gravity flow with no moving parts, requiring no electricity (except for skimmers) and no chemical dosing. This significantly reduces your operating expenses.

高效去除微小油滴:

基于斯托克斯定律, 斜板将油滴上浮距离缩短了90%, 可高效去除50-60微米的微小自由油滴, 出水更清澈。

High-Efficiency Small Droplet Removal:

Based on Stokes' Law, inclined plates reduce oil droplet rise distance by 90%, efficiently removing 50-60 micron free oil droplets for clearer effluent.

低维护 & 自动运行:

自清洁: 60°倾斜的光滑斜板使固体自动滑落至泥斗。

自动刮油: 可选的自动刮油机定时清除浮油。

板片可抽拉: 维护时可轻松抽出板片进行冲洗。

Low Maintenance & Automatic:

Self-Cleaning: Smooth, 60° inclined plates automatically guide solids into the sludge hopper.

Auto-Skimming: Optional automatic skimmers periodically remove floating oil.

Removable Plates: Plates can be easily pulled out for rinsing during maintenance.

广泛的应用领域 Wide Range of Applications



产品规格参数 Technical Specifications

型号Model	流量-加仑/分钟 Flow Rate-gpm	自由区域-平方英尺 Free Area-sq.ft.	有效面积-平方英尺 Effective Area-sq.ft.	干重-磅 Dry Weight-lbs	湿重-磅 Wet Weight-lbs	长x宽x高(英寸) Dimensions-LxWxH (in)
CPI-1	24	5.5	32	960	1880	6' 10" x 4' x 6' 5"
CPI-3	42	7	65	1930	4430	7' 6" x 4' x 7' 10"
CPI-5	82	15	129	4200	7000	8' 7" x 8' x 9' 2"
CPI-15	165	33	258	6200	19000	9' x 8' x 10' 4"
CPI-30	330	52	517	7800	27000	12' 5" x 8' x 10' 4"
CPI-45	495	78	776	9400	37500	16' 4" x 8' x 10' 4"
CPI-60	660	65	1034	10500	47964	14' 4" x 8' x 14' 9"
CPI-90	990	87	1550	13000	63118	17' 8" x 8' x 14' 9"
CPI-120	1320	108	2067	16000	78773	21' x 8' x 14' 9"
CPI-150	1650	130	2584	20540	96350	24' 2" x 8' x 14' 9"
CPI-180	1980	151	3101	23520	132940	27' 6" x 8' x 14' 9"

公司简介

Company profile

Yihua Environmental Protection was founded in 2010 and established Qingdao Yihua Environmental Protection Co., Ltd. in 2019 with a registered capital of 20 million RMB. The company has multiple outstanding professional and technical developers in the industry; There are currently 89 employees, including 13 middle and senior design and technical personnel, 8 full-time office employees, 22 professional production and manufacturing personnel, 40 installation and construction teams, and 6 after-sales service personnel.

Since its establishment, the company has established strategic partnerships with many well-known domestic and foreign enterprises (such as the United States, Italy, Japan, South Korea, etc.), and has carried out scientific research cooperation with the Chinese Academy of Sciences, the Second Design Institute of Mechanical Engineering, East China University of Science and Technology, Qingdao University of Technology, and various well-known universities and research institutions in the province, possessing reserve research and development capabilities. for new technologies and front-end technologies.

The outstanding advantage of the company is its ability to undertake a comprehensive environmental governance project package, which can provide users with reasonable technical routes and systematic solutions for project compliance and acceptance. The company has a professional after-sales service department and personnel, with lifelong maintenance of all equipment. During the warranty period, we provide 7 * 24-hour online technical support, 2-hour feedback response, and an 8/24-hour in place service mechanism to provide you with excellent service.

Yihua Environmental Protection closely follows national environmental policies, actively lays out development strategies, and creates cutting-edge innovation capabilities. At present, it has developed into a comprehensive environmental purification and treatment service provider integrating research and development, design, manufacturing, installation and commissioning, sales, and operation and maintenance. It is a well-known environmental technology innovation enterprise both inside and outside the province.



企业资质 Enterprise qualification

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