



Changsha Clean Water Machinery Co.,Ltd.

长沙净水机械设备有限公司

Vacuum Evaporation 真空蒸发

We will take care of the environment, curb pollution in accordance to the law
saving energy and reducing the emissions

关爱环境，依法遏制污染，节约能源，减少排放

The use of our products lets you save money reducing the sewage disposal, recovering the purified water and (i.e. electro-plating processes) re-use the concentrated solution.

使用我们的产品可以节省您在废水处理方面的资金，恢复纯净水源，集中重复利用（如，电镀工艺过程）

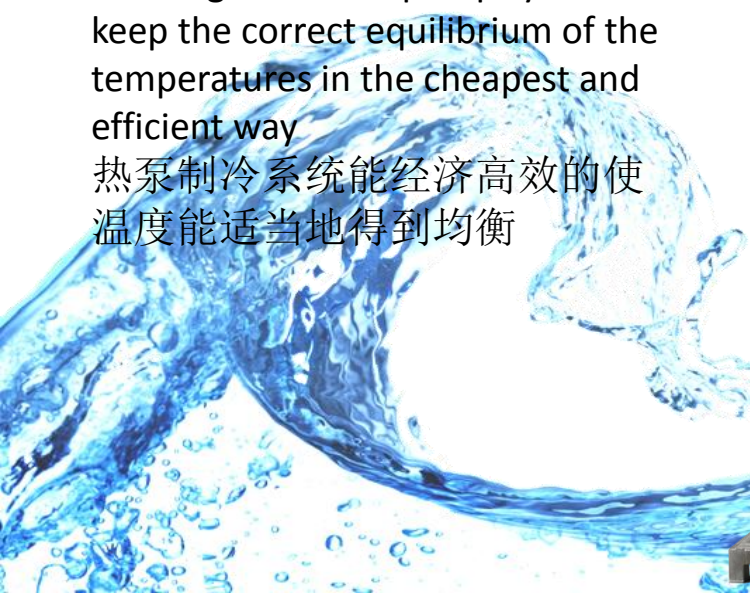
The system consists in a hermetic chamber (i.e. no air emissions) maintained constantly under vacuum, in which occurs the boiling of the product and the condensation of the water vapors.

此系统由密封的沸腾容器组成（无

气体排放），保持持续真空，在这些容器内这些溶剂或溶液会被煮沸并得到凝结的水蒸气

An integrated heat pump system allows to keep the correct equilibrium of the temperatures in the cheapest and efficient way

热泵制冷系统能经济高效的使温度能适当地得到均衡



The Advantages 优势

The structure of our vacuum evaporator , unlike traditional systems, uses an innovative placement of the boiling and condensation elements allowing even more delicate distillation, a greater separation of water, with a higher degree of concentration and a lower energy consumption than other similar systems

真空蒸发器不同于传统系统的构成, 创新的沸腾和冷凝热交换器的放置, 提供更精细的蒸馏, 更强大地分离水, 浓度更高, 相比同类系统能耗更低
Versatility, which also characterizes the products of our company, allows to customize size and settings according to the effective needs of each customer
多功能性,也是我们公司产品的特点, 允许根据每个客户的有效需求定制尺寸和设置

The result is a continuous and reliable process that ensures a constant quality of purified water, originating at the same time a concrete benefit for the environment, in term of reducing the volume of sewage and its environmental impact

此工艺过程持续可靠, 能持续保证净水品质, 同时能给环境带来实际益处, 减少污物的排放, 减缓对环境的负面影响

The managing of the systems is very simple because the installed instruments, in combination with the PLC and the Operator Panel, provide a fully autonomous and controlled running

传导系统非常简单, 因为其配备的几个设备能提供全自动和可控的运行

Our Evaporators therefore can run 24/7 and do not require the operator presence

因此此蒸发器能持续不间断工作, 且不需要操作人员

Thanks to our experience, to the design and to the high-end components, the routine maintenance is simple and minimized

由于我们的经验, 对于设计和高端组件, 日常维护是简单和最小化的

To ensure a long term efficiency of our products, our Technical Support Service, entrusted exclusively to our specialized engineers, is on call for scheduled and extraordinary maintenance

日常保养工作很少且极为简单。为确保安装工作的有效进行, 您可以致电或预约我们的专业工程师保证独有的技术支持服务



The Features 特点

Completely automatic continuous operation 全自动，持续运作

Evaporation and condensation through an integrated heat pump or recovering hot waste heat like steam, hot water, flue-gas, diathermic oil....

通过一体加热泵蒸发和凝固或废热回收，如蒸汽，热水，烟道气，透热油

Parts in contact with the product (waste) made of stainless steel

接触产品(废物)的部件由不锈钢制作

Vertical (standard) or horizontal boiling chamber

立式(标配)或卧式沸腾容器

Piping made of PVC (standard) or PP or stainless steel AISI 316L

(标配) PVC 管道或不锈钢 AISI316L

Inspection glass with LED light and washing device with internal sight-glass wiper

带 LED灯的窥视镜和带内观测器雨刮的清洗装置

Level adjustment through reed-contact switches (standard) or vibronic sensors or analog sensors

通过簧片接触开关（标准），振动传感器或模拟传感器进行液位调节

Electrical cabinet with integrated Siemens PLC and Operator Panel

电气柜与西门子PLC和操作面板集成

Special steel (Duplex and Superduplex Alloy) or different materials (Titanium, Silicon Carbide) upon request or for highly corrosive applications

特殊钢（双相和超级双相合金）或不同材料（钛，碳化硅）根据要求或高腐蚀性应用

Our standard models cover a production from 50 up to 50.000 liters of distillate per day 我司标配型号涵盖 50升-5万升/天的蒸馏能力



Fields of Application 适用领域

METAL MACHINING AND FINISHING 金属加工和整型

Cutting Cooling Liquid 切削液

Etching, Phosphating, Alkaline Degreasing 蚀刻, 磷化处理, 碱性脱脂

GALVANIC PROCESSES AND ELECTRO-PLATING 电镀处理和电泳

Zinc, Chromium, Tin, Copper Plating 镀锌, 镀铬, 镀锡, 铜电镀

Sludge from Regeneration of Ion Exchangers

离子循环剂再生利用产生的沉淀物

Chromium and Sulphuric Acid Recovery 铬和硫酸再循环利用

TEXTILE 纺织品

Dyeing and Printing Pigments 染色和印花涂料

PRINTING AND PHOTOGRAPHIC 印刷和摄影

Fixing, Developing and Bleaching Solutions 定影, 冲洗照片和褪色方案

Printing Plates and Cylinders Washing 印刷板和辊筒印刷的清洗

PHARMACEUTICAL 制药业

Organic Impurities Contaminated Wastewaters 有机污染物污水

LEATHER PROCESSING 皮革加工

Organic Impurities Contaminated Wastewaters 有机污染物污水

Acids and Corrosive Wastewater 酸性和腐蚀性污水

DIE-CASTING 铸造业

Release Agent Contaminated Wastewaters 排放的污染水剂

Water-Glycol Contaminated Wastewaters 水-乙二醇污染物

LANDFILL 垃圾堆填区

Landfill Leachate 垃圾渗滤液

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