

造行业精品 创世界品牌

奥联德 AOLIANDÉ SF/FF 双层油罐

SF/FF DOUBLE OIL TANK

诚信 · 合作 · 共赢

INTEGRITY COOPERATION WIN-WIN



河北奥联德化工设备有限公司
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公司简介

COMPANY PROFILE



河北奥联德化工设备有限公司是一家专业生产销售成套化工设备，成套玻璃钢产品生产线，同时生产复合材料 SMC产品的公司，通过了ISO9001、ISO14001、ISO45001管理体系认证SGS认证等产品已销往世界各地，美国、加拿大，澳大利亚 巴西、日本、德国、俄罗斯，印度、马来西亚、印度尼西亚、埃及等国家，赢得广大新老客户的支持和信任好评。

● EPC化工设备系列：曼海姆法硫酸钾成套生产设备 硫酸钠生产设备 成套硫酸设备成套氯化钙生产设备。

● EPC成套玻璃钢产品生产线系列：微机控制成套玻璃钢管道，储罐缠绕生产线 成套玻璃钢格栅生产线 成套玻璃钢拉挤型材生产线 SF/FF油罐生产线。

● 玻璃钢产品系列：玻璃钢高、中、低压管道；玻璃钢储罐；玻璃钢塔；整体浇注超级电解槽；SF、FF双层油罐；玻璃钢冷却塔；玻璃钢模压SMC/BMC、拉挤系列产品及其他定制玻璃钢产品玻璃钢防腐等。

河北奥联德化工设备有限公司根据产品类别设立了曼海姆法硫酸钾化工设备设计 制造 安装，多种复合材料产品生产线设计 制造 安装 多种复合材料产品制造三个分公司，通过在专业和技术上的研发和升级并获得了多项专利。公司凭借先进的技术、精湛的工艺、可靠的质量和完善服务，不但有产品的供货能力，还具有有限元分析（材料、结构、产品的设计）项目总承包能力，我公司可为客户提供技术咨询、供货、运输、安装指导等一体服务。

● 主要应用领域：

硫酸钾、电力、水利、冶金、化工、制药、氯碱、海水淡化、印染、造纸、钛白、污水处理、固废焚烧处理、食品酿造、石油贮存、建筑、市政工程、公路设施、军工等领域。



Hebei Aoliande Chemical Equipment Co., Ltd. is a professional company that produces and sells complete sets of chemical equipment, complete sets of fiberglass product production lines, and composite material SMC products. The company has passed ISO9001, ISO14001, ISO45001 management system certification, SGS certification, and other products, which have been sold to countries around the world such as the United States, Canada, Australia, Brazil, Japan, Germany, Russia, India, Malaysia, Indonesia, Egypt, etc. Winning the support and trust of both new and old customers.



● EPC chemical equipment series: Mannheim process potassium sulfate production equipment, sodium sulfate production equipment, complete sulfuric acid equipment, complete calcium chloride production equipment.

● EPC complete set of fiberglass product production line series: microcomputer controlled complete set of fiberglass pipes, tank winding production line complete set of fiberglass grating production line complete set of fiberglass extruded profiles production line SF/FF oil tank production line.

● Fiberglass product series: Fiberglass high, medium, and low pressure pipelines; Fiberglass storage tanks; Fiberglass towers; Integrated casting super electrolytic cell; SF and FF double-layer oil tanks; Fiberglass cooling tower; Fiberglass molded SMC/BMC, extrusion series products, and other customized fiberglass products, including fiberglass anti-corrosion.

Hebei Aoliande Chemical Equipment Co., Ltd. has established three branches based on product categories: Mannheim process potassium sulfate chemical equipment design, manufacturing and installation, and various composite material product production lines design, manufacturing and installation. Through professional and technical research and development, upgrading, and obtaining multiple patents. With advanced technology, exquisite craftsmanship, reliable quality, and comprehensive services, our company not only has the ability to supply products, but also has the ability to perform finite element analysis (material, structure, product design) project general contracting. Our company can provide customers with integrated services such as technical consultation, supply, transportation, and installation guidance.

Main application areas:

Potassium sulfate, electricity, water conservancy, metallurgy, chemical industry, pharmaceuticals, chlor alkali, seawater desalination, printing and dyeing, papermaking, titanium dioxide, sewage treatment, solid waste incineration treatment, food brewing, petroleum storage, construction, municipal engineering, highway facilities, military industry and other fields.

产品性能特点

S/F 双层油罐能够如此迅速的在市场上推广并使用，主要是它自身拥有比普通单层钢制油罐无可比拟的安全、环保、经济性能。S/F双层油罐是由钢制内罐和玻璃纤维外罐组成的双层地埋储罐，是一项采用专用设备生产的专利技术产品。储罐拥有均匀的夹层空间并配有一个和夹层空间相通的泄漏检测仪，可以随时监测内罐是否泄漏。

S/F双层油罐可以存放汽油、柴油、煤油等一切油品，长期贮存固、液态核废料，还可以存放酒精、浓硫酸等化学物品。

S/F双层油罐具有以下特点：

一、安全性

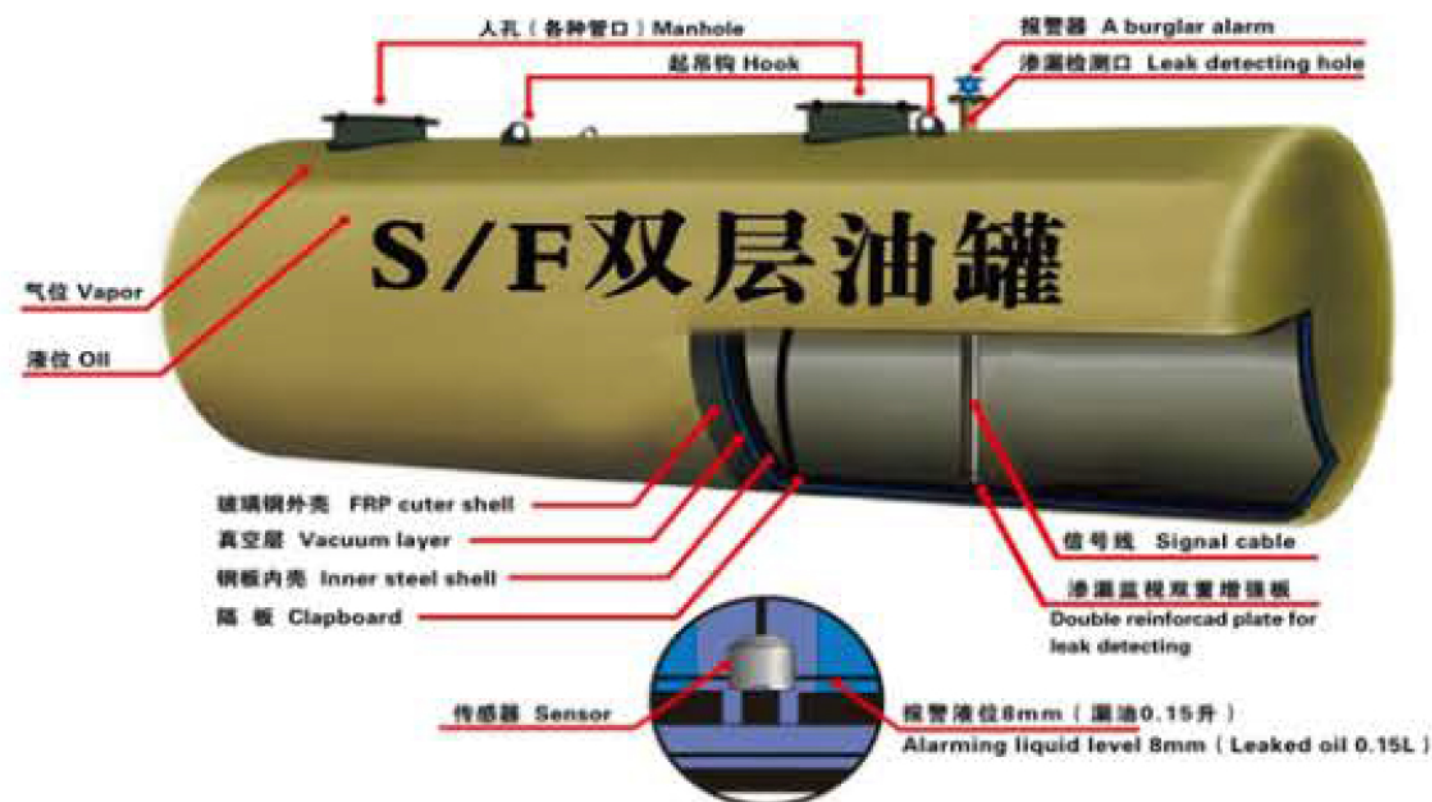
- 1、内层—采用优质钢板（Q235-B）制造，与普通的厚度仅5mm的单层油罐相比，强度大大提高；
- 2、外层—玻璃纤维增强外层厚度达到4.0mm以上，抗压抗震性好。具有很强的耐腐蚀性、耐电蚀性；
- 3、内外层之间采用独特工艺技术，使其达到均匀的空隙，形成泄露检测层。泄漏检测仪24小时时时监控，杜绝泄漏造成的安全隐患。

二、环保性

- 1、外层FRP保证了泄漏物不会直接渗漏污染土壤和水源或造成的安全事故；
- 2、外层FRP不会与地下水、盐碱土壤等产生电解腐蚀现象；
- 3、外层FRP不会与汽油、柴油、含铅汽油产生腐蚀现象；
- 4、泄漏检测仪安装方便，将探头伸入检测管即可，外接监视设备和电源能够24小时全程监控，杜绝污染隐患；
- 5、渗漏检测系统，便于检测和维护；

三、经济实用性

- 1、S/F双层油罐的使用寿命是普通油罐的3-5倍，可保证安全使用30-50年；安装便捷，大大缩短工期，综合造价低；
- 2、远程监控系统便于日常及定期检测，数字化控制，免去人工复杂操作；



Property and features

The reason for fast promotion and application in the market of the double layers oil tank is from its sole advantages such as safety, environment protection and low cost comparison with sing layer steel oil tank. It is composed of steel inner tank and fiberglass reinforced outer tank made by special equipment with patent. The tank possess a uniform interlayer space which connected with leakage detector, can monitor the leakage at any time.

The tank can store the following media such as gasoline, diesel, and kerosene, also can store solid or liquid nuclear waste, alcohol and concentrated sulfuric acid (98%)

Features as below:

1, Safety

1.1 Inner layer: Adopting premium Q235-B steel plate, it is thicker than the common single layer steel tank (5mm thick) and the strength is improved sharply.

1.2. Outer layer: The thickness of FRP lamination is more than 4mm, It possess excellent property such as compression resistant, shock resistant, corrosion resistant and electrochemical corrosion resistant.

1.3. The interlayer space is formed by sole technology; the leakage detector keeps 24 hours monitoring, to avoid the hidden trouble absolutely.

2, Environment protection

2.1. The outer FRP lamination can prevent the contamination of the soil and water source from the leakage.

2.2. The outer FRP lamination can't produce electrochemical reaction with underground water or salt water.

2.3. The outer FRP lamination can't produce chemical reaction with gasoline, diesel, and gasoline including lead.

2.4. The installation of the leakage detector is convenient; the sensor is entered inside the monitoring pipe is OK. The output will be connected with monitor device and power source, and then can keep the monitoring 24hours.

2.5. It is very convenient to check and maintain the leakage monitoring system, and protect the soil and water ecological environment.

3. Economy

3.1. The service life of the S/F double layers oil tank is 3~5 times of the common single layer oil tank, at least 30 years. The convenient installation can shorten the construction period and decrease the cost input.

3.2. Remote monitor system is convenient to the daily and periodic inspection and test; the digital control can release the complicated manual operation.



生产制造 Fabrication



数控裁板
Digital cutting



焊接加工
Welding process



内缝焊接
Welding of the inner seam



自动焊接
Digital welding



钢罐体焊缝无损射线检测
NDT by rays



防锈底漆处理
Anti rust primer

成功案例 Practical cases



沈飞集团112立方罐 Shenfei Group 112M³ tanks



中石化河南濮阳油站
SIOPEC Puyang filling stations, Henan



壳牌天津东丽区油站
Shell Dongli District filling stations, Tianjin



中石油天津静海站
CNPC Jinghai filling stations, Tianjin

公司产品 Products

S/F 双层油罐、抗震性贮水槽、防火水槽、FSH 山岳净化槽罐、Depot angel (地下库) 直接型饮用水地下罐、消防砂箱、消防器材箱、隔油池、雨水收集系统 (集水装置、流水槽) 输油管、井盖、加油机地下接油盘。

S/F double layers oil tank, shockproof water storage tank, fireproof water tank, FSH clarification tank, depot, drinking water underground tank, fireproof sand tank, fireproof device box, oil partition pool, rain water collection system (collection system and piping), oil piping, well cover, filling station underground disc.



SF双层油罐



FSF Aqua angel-体型
(抗震性贮水槽, 防火水槽)



Depot angel (地下库)



FSV Aqua angel-沉箱式
(抗震性贮水槽, 防火水槽)

系统设计及施工 Design and construction

各种加油系统、医疗机构直升飞机用加油系统、飞机用燃料加油系统、船舶用燃料加油系统、室外罐贮藏所的建设、各种液体的搬运设备、化学设备、石油设备、加油站、设计施工、计量器具的销售修理、洗车机的销售修理、油类配管工程、各种管理危险物品设施

Different filling systems, hospital helicopter fuel filling system, airplane fuel filling system, vessel fuel filling system, construction of outdoor tanks storage, transportation device of different liquid, chemical device, petroleum device, filling station, selling and repairing of measurement device, selling and repairing of vehicle washing machine, oil piping and storage device of other dangerous goods.



消防器材箱
Fireproofing devices box



操作井
Operation manhole



井盖 well cover