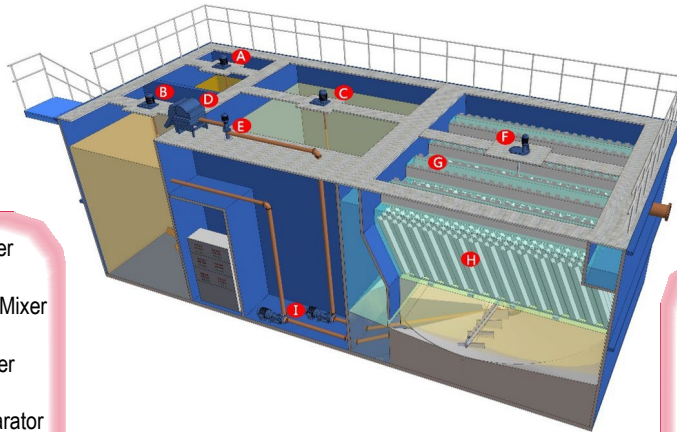




**ATAL Multi-Stages
Flocculation Sedimentation III**
一体化磁介质高效沉淀池
(AMSFS III)

Introduction 简介

ATAL Multi-Stages Flocculation Sedimentation III (AMSFS III) 一体化磁介质高效沉淀池



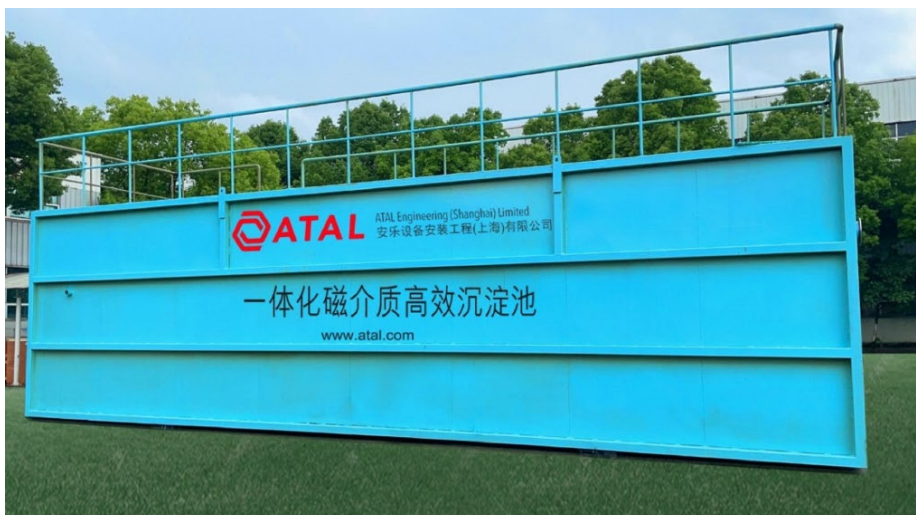
- A: Coagulation Zone Mixer
快混区搅拌机
- B: Magnetic Media Zone Mixer
磁粉混合区搅拌机
- C: Flocculation Zone Mixer
絮凝区搅拌机
- D: Magnetic Sludge Separator
磁分离机
- E: Magnetic Sludge Cutter
磁泥剪切机

3D model of AMSFS III
一体化磁介质高效沉淀池3D效果图

- F: Centrally Driven Scraper
中心传动刮泥机
- G: Troughs and Weirs
出水槽及堰板
- H: Lamella
斜管及支架
- I: Recirculation/ Excess
Sludge Pump
回流/剩余污泥泵

ATAL Multi-Stages Flocculation Sedimentation III (AMSFS III) is a technology developed by ATAL Engineering Limited. Our Group has accumulated rich experience and good performance in the process design, equipment integration and "turnkey" project. We have a team of engineers with strong technical capabilities and rich experience in project management. In the process design, equipment supply, installation, commissioning and operation of the process package, it is practical to achieve safety, reliability, economical application, advanced technology, and ensure that the effluent meets the standards. It can be widely used for polluted river water, landscape water, industrial water and municipal wastewater.

一体化磁介质高效沉淀池 (AMSFS III) 是安乐工程有限公司研发的工艺。我司在此工艺的设计、成套设备集成和“交钥匙”工程上积累了丰富的经验和良好的业绩，并拥有一支专业技术能力强、工程管理经验丰富的工程师队伍。在工艺包的工艺设计、设备选购、施工、安装、调试和运营中，切实做到安全可靠、经济适用、技术先进、确保出水达标。此工艺可用于处理河道水、景观用水、工业废水以及普通市政污水。



Advantages 优点

Excellent Performance 处理能力出色

- Effluent SS \leq 10.0mg/L and TP \leq 0.3mg/L
- Removal of partial COD
- Resistant to hydraulic shock
- Resistant to SS shock
- 出水SS \leq 10.0mg/L · TP \leq 0.3mg/L
- 去除部分COD
- 抗水力负荷冲击
- 抗污染物负荷冲击

Simple and Reliable Process 工艺简单可靠

- Short start-up time
- Stable effluent quality
- High degree of automation
- Less sensitivity to temperature fluctuation
- 启动时间短
- 出水水质稳定
- 自动化程度高
- 对温度变化敏感度低

Low Operation Cost 运维成本低

- High recovery ratio of magnetic media
- Chemical saving, 10%-50% compared with conventional coagulation-flocculation
- Less equipment maintenance
- 磁介质回收率高
- 与常规絮凝工艺相比 · 能节省10%-50%药剂投加量
- 设备维护少

High Loading and Small Footprint 负荷高 占地小

- 15-40 m/h surface loading
- Shorten project program
- Mobile for multiple applications
- Require less civil work
- 15-40 m/h的上升流速
- 缩短项目周期
- 便于在多种场景中使用
- 节约土建成本



Job Reference 案例

Anhui Shiwuli River AMSFS III Project, China 中国安徽十五里河一体化磁介质高效沉淀池

Capacity 处理水量

2 × 15,000 m³/d

Basin 缸体材质

Stainless steel 不锈钢

Size per Set 单套尺寸

13.6 m × 4.3 m × 3.9 m (L×W×H · 长×宽×高)

Quality 水质

Parameter 指标	Unit 单位	Influent 进水	Effluent 出水
SS	mg/L	≤300	≤10
TP	mg/L	≤2.5	≤0.3



Underground Usage
地埋式

Anhui Macao River AMSFS III Project, China 中国安徽马槽河一体化磁介质高效沉淀池

Capacity 处理水量

1,500 m³/d

Basin 缸体材质

Carbon steel 碳钢

Size per Set 单套尺寸

12 m × 3 m × 3.4 m (L×W×H · 长×宽×高)

Quality 水质

Parameter 指标	Unit 单位	Influent 进水	Effluent 出水
SS	mg/L	≤20	≤10
TP	mg/L	≤1.0	≤0.3



At grade Usage
安装于地面

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