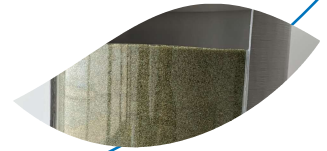
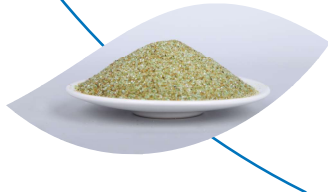




# 高效节能滤砂过滤系统

## 产品描述

高效节能滤砂过滤系统是SCHW开发，用于改善传统机械式过滤器的处理能力，减轻后段水处理设备工作负荷的新型过滤系统。当进水自上而下经过滤层时，可去除水中的TSS与浊度。与传统过滤器相比，其TSS，浊度去除能力强，压力损失低。过滤器可采用FRP，碳钢衬胶，不锈钢等材质。



## 与传统滤砂过滤系统的对比

### 普通滤砂过滤系统

易成为生物滤床而滋生细菌

需添加消毒剂

超标消毒副产品需管控

易产生虫洞、结块

过滤精度约15 micron(无絮凝)

2~3年需更换一次

未经验证&认证

滤材品质变异大

不可预测之过滤质量

较低过滤流速

### EEF 高效节能滤砂过滤系统

抗生物附着，起到抑菌作用，减少结垢风险

大幅降低消毒剂使用

大量降低消毒副产品(三氯氨)

经验证的防止虫洞、结块

过滤精度可低至1 micron(无絮凝)

不需更换，降低耗材成本，降低营运总成本

经第三方验证&认证

滤材质量稳定(ISO标准下生产)

可预测之过滤品质

高过滤流速

## 特别适用场合



电镀废水回用



生化废水回用



高浊度之原水



铁锰超标之原水

## EEF过滤器

型号	EEF-5-E	EEF-10-E	EEF-15-E	EEF-20-E
设备能力	5m³/H	10m³/H	15m³/H	20m³/H
桶体规格(英寸)	Φ30*H72	Φ42*H72	Φ48*H72	Φ63*H86
反洗时间	3-10mins	3-10mins	3-10mins	3-10mins
处理水pH	3-9	3-9	3-9	3-9
最大压差	<0.5bar	<0.5bar	<0.5bar	<0.5bar
水温	1-100℃	1-100℃	1-100℃	1-100℃

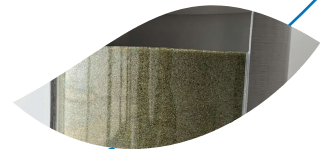
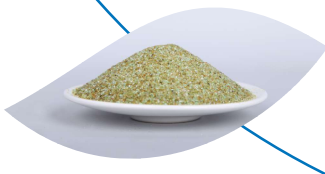
\*依据常规水质设计，如有特殊需求，请咨询本公司



# "Energy Efficient Fine" Particle Filter System

## Product Description

"Energy Efficient Fine" Particle Filter System is used to improve the performance of traditional mechanical filter, which can reduce the workload of RO membrane. When the water passes through the filter from top to bottom, compared with traditional filter, the new type filler inside can significantly reduce TSS and turbidity, and the loss of pressure is lower. The filter can be made of FRP, carbon steel, stainless steel and other materials.



## Comparison of Traditional Filter System and EEF Particle Filter System

### Traditional Filter System

Easy to become a biological filter bed, breeding bacteria

Disinfectant required

Disinfection by-products need to be controlled

Pit hole or agglomerate

Low filtration accuracy (no flocculation)

Change every 2-3 years

Unverified & Uncertified

Filter material varies greatly

Low filtering quality

Low filtration flux

### EEF Particle Filter System

Antibacterial, reduce fouling chance

Significantly reduce or do not need the use of disinfectants

Reduce disinfection by-products (Trichloroammonia)

Prevention of pit hole and agglomerate

Precise filtration down to 1 micron (no flocculation)

No need for replacement, reduce total operating cost

Verified and Certified by NSF 50&61 listed media

Stable quality (production under ISO)

Predictable filter performance

High filtration flux

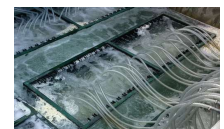
## EEF Filter System

Model	EEF-5-E	EEF-10-E	EEF-15-E	EEF-20-E
Capacity	5m <sup>3</sup> /H	10m <sup>3</sup> /H	15m <sup>3</sup> /H	20m <sup>3</sup> /H
Barrel size ( Inch )	Φ30*H72	Φ42*H72	Φ48*H72	Φ63*H86
Backwash time	3-10mins	3-10mins	3-10mins	3-10mins
Effluent pH	3-9	3-9	3-9	3-9
Maximum differential pressure	<0.5bar	<0.5bar	<0.5bar	<0.5bar
Water temperature	1-100°C	1-100°C	1-100°C	1-100°C

## Special Occasions



Reuse of Electroplating Wastewater



Reuse of Wastewater after biological process



Raw Water with high turbidity



Raw Water with excessive Iron and Manganese

\*Designed according to conventional water quality, please consult SCHW for special requirements