



EF/DM drum high precision microfilter filter

转鼓式高精度微过滤机

EF/DF disc microfilte filter with fibers filter cloth

纤维盘式微过滤机



EF/DM 转鼓式高精度微过滤机 Drum high precision microfilter filter

概述 Summary

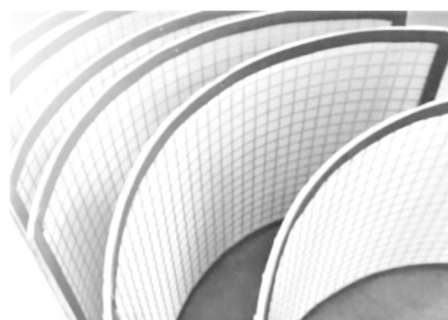
EF/DM转鼓式高精度微过滤机是一种去除污水中悬浮物的过滤装置，装置由主体模块，核心过滤模块，反冲洗系统，驱动系统、自控系统组成。

核心过滤模块的滤网由金属，化纤或多种合成材料以不同方式编织而成，过滤孔径一般为10-100um，待处理液体通过滤网的筛滤作用去除悬浮于液体总的颗粒物质。

EF/DM drum high precision microfilter filter is a filter device for removing suspended solids in waste water. The device consists of a main module, a core filter module, a backwash system, a drive system and an automatic control system.

The filter screen of the core filter module is woven from metal, chemical fiber or various synthetic materials in different ways. The filter aperture is generally 10-100um.

The waste water to be treated is filtered by the filter screen to remove the total particulate matter suspended in the waste water.



工作原理 Working principle

废水从EF/DM转鼓式高精度微过滤机进口进入被过滤网包裹的空心转鼓内，废水在重力的作用下由滤网内侧向外侧流出，水中的悬浮物被截留并附着在滤网内侧。

转鼓缓缓转动，反冲洗泵抽取过滤后的水通过位于转鼓顶部的喷头对网进行反冲洗。冲洗下来的颗粒物质进入到收集槽，通过排污管排出。



The waste water enters the hollow drum wrapped by the filter screen from the inlet of the EF/DM drum type high-precision micro filter,

Under the action of gravity, the waste water flows out from the inside of the filter screen to the outside, and the suspended matter in the water is trapped and attached to the inside of the filter screen.

The drum rotates slowly, the backwash pump draws the filtered water, then through the nozzle located at the top of the drum to backwash the screen .

The washed particulate matter enters the collection tank in the drum and is discharged through the sewage pipe.

特点 Features

- | | |
|--|--|
| <ol style="list-style-type: none"> 1、滤网寿命最长可达8年 2、滤网是独立网片，独立拆除时不影响其他网片。 3、进水SS<40mg/L，也正常运行。 4、持续反冲洗，不影响过滤废水。 5、压力损失<300m 6、进水水质ss<40mg/L，出水水质<10mg/L。 7、杂质不易存积于滤网上。 8、运行全自动控制。 9、在相同处理水量的情况下，占地面积远小于其他过滤工艺设备。 10、反冲洗水来自过滤后的水，为设备处理量的0.3%。 | <ol style="list-style-type: none"> 1. The filter screen life can be up to 8 years 2. The filter screen is an independent mesh, and it does not affect other meshes when it is removed independently. 3. Inlet water SS<40mg/L, also normal operation. 4. Continuous backwashing does not affect the filtration of wastewater. 5. Pressure loss <300m 6. Influent water quality ss<40mg/L, effluent water quality <10mg/L. 7. Impurities are not easy to accumulate on the filter screen. 8. Fully automatic control of operation. 9. In the case of the same amount of treated water, the floor area is much smaller than other filtration process equipment. 10. The backwash water comes from the filtered water, which is 0.3% of the processing capacity of the equipment. |
|--|--|

用途 Application

市政污水深度处理及提标一级改造	Advanced treatment of municipal sewage and first-level transformation of upgrading
市政污水预处理	Municipal sewage pretreatment
水资源回收及循环利用	Water Recycling and Recycling
工业废水预处理	Industrial Wastewater Pretreatment
自来水预处理	Tap water pretreatment

性能规格 Technical data

型号 Model	处理能力 Capability (m ³ /d)	外形尺寸 Dimensions (L*W*H mm)	过滤孔径 Pore size (μm)	动力 Power (KW)		冲洗水量 Flush volume (m ³ /d)	重量 Weight (T)
				驱动 Drive	冲洗泵 Flush pump		
EF/DM-35	3500	2000*1400*1800	10-200	3.3	2.2	<15	1.25
EF/DM-60	6000	3000*1400*1800		3.3	5.5	<25	1.4
EF/DM-100	10000	3200*1700*2200		3.3	7.5	<30	1.6
EF/DM-200	20000	4000*1700*2200		3.3	5.5*2	<60	2.2
EF/DM-300	30000	5000*1700*2200		3.3	7.5*2	<90	2.5

构造简图 Construction

