

JTGMF 机械过滤器 Mechanical Filter

大型水处理过滤器
Filter with pressure

- JTGMF机械(活性炭、多介质、锰砂)过滤器是一款是纯水制备前期预处理、水净化系统的重要组成部分,适用于要求经过过滤出水浊度一般在5毫克/升以内能符合饮用水水质标准的工业用水或生活用水的工矿企业和城镇给水处理设备。对工业污水中的悬浮物固体物等有很好的去除效果。水中含有的悬浮物凝聚的片状物用沉淀方法所不能去除的粘结胶质颗粒,可将水通过过滤器内所装的滤层,使水达到透明。
- JTGMF管式过滤器采用多道抛光处理,保证料液接触面Ra达到 $0.4\ \mu\text{m}$ 接近卫生级要求,全镜面抛光。
- JTGMF Mechanical (Carbon, Sand) Filter Housing is an important part for Pure water preparation early pre-Finish and water purification system. It is apply to drinking water standard industrial water which is required filtered and general turbidity of treated water is within 5mg/L. It has good remove effect for suspended solids in industrial sewage. The Tablet agglomerated from suspended solids in water which can not remove through Precipitation method, we can through water to filter layer in filter vessel. Finally, to achieve transparency in water.
- JTGMF Mechanical Filter Housing using multichannel polishing processing to ensure the interface Ra reach to $0.6\ \mu\text{m}$ close to sanitary level. All of the surface is mirror polished.

产品特点

- 筒体内外表面采用镜面抛光,料液接触面Ra达到 $0.4\ \mu\text{m}$ 接近卫生级要求。
- 设备造价低廉,运行成本费用低,管理简便。
- 合理的结构设计,滤料经过反洗可多次使用,滤料寿命长,过滤效果好,占地面积小。

Feature

- Barrel's internal and external surface using mirror polish, interface Ra reach to $0.4\ \mu\text{m}$ close to sanitary level.
- The equipment low cost, low Operating cost and easy management.
- Reasonable structure design, after Filter material backwashing can use many times, filter material has long service life, effective filtering and small occupation area.

典型的应用

- 用于水处理过程中,主要用于给水处理除浊,反渗透、以及离子交换软化除盐系统的前级预处理,也可用于地表水、地下水除泥沙。进水浊度要求小于20度,出水浊度可达3度以下。
- 可广泛应用于电子电力、石油化工、冶金电镀、造纸纺织、制药透析、食品饮料、生活饮用水、工厂企业用水、游泳池等。可满足各行业液体过滤需要。

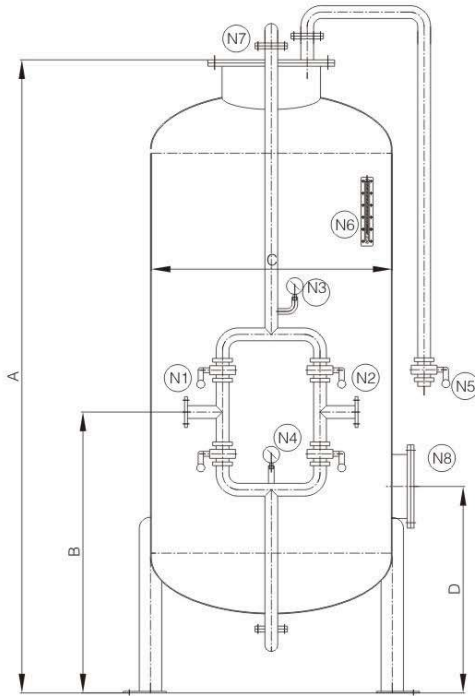


Application

- It is used in water Finish, mainly used in turbidity removal, reverse osmosis and The front-end preprocessing of Ion exchange softening desalination system. It also can be used in remove sediment in Surface water and groundwater. The requirement of influent water turbidity should less than 20 degrees, and the turbidity of treated water can below 3 degrees.
- Can be widely used in Electronic power, oil chemical industry, metallurgy, electroplating, papermaking, textile, pharmaceutical dialysis, food and beverage, drinking water, Factories in water, swimming pool, etc. To meet the needs of the various industries liquid filtration.



常规结构 Structure



机械(活性炭、多介质、锰砂)过滤器
Mechanical (carbon, sand) filter housing

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperature	120°C
壳体试压 The filter shell adopts	ATM(满水试压)(pressure test with full water)

材料 Material

过滤器壳体 Shell	304、316L
支脚、吊具等 Stabilizer blade, sling	304
接管 Connect pipe	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

进出口N1、N2 In-outlet	1/2法兰、快装、螺纹 Flange, Tri-clamp, Thread
压力表接口N3、N4 Pressure gauge connection	1.5"螺纹 Thread
排气阀接口N5 Vent valve connection	1/4"螺纹 Thread
视镜接口N6 Sight glass connection	法兰 Flange
人孔N7 Manhole	法兰 Flange
填料手孔N8 Packing hand hole	法兰 Flange

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical/electrolytical polishing, sand blasting
抛光精度 Polishing precision	内壁 0.6 μm Inner surface Ra≤0.6 μm 外壁 0.8 μm Outside surface Ra≤0.8 μm

尺寸参数表 Dimension Parameters

	C: 壳体直径 Shell diameter										
	Φ600	Φ800	Φ1000	Φ1200	Φ1400	Φ1600	Φ1800	Φ2000	Φ2500	Φ3000	Φ3200
A: 总高 Total height	2350		2600		2800		2800		3000		
B: 进出口离地高度 The distance from inlet to center	1500				1800		1800		2000		
D: 填料手孔离地高度 The height from packing hand hole to ground	1200				1200		1200		1200		
设备出水量 Equipment output(T/h)	1.4~2.8	2.5~5.0	4.0~8.0	5.5~11	7.5~15	10~20	13~25	16~30	25~49	35~70	40~80

上表数据为标准型机械(活性炭、多介质、锰砂)过滤器, 仅供参考, 可根据客户要求定制; 未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

JTGMF 选型表 Selection Table

[壳体直径 Shell diameter]			[壳体材料 Shell material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
600J			4	K	S
600J=直径Φ600机械过滤(下同) 600J=diameter Φ600 mechanical filtration			4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
800J	1600J	3000J	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
1000J	1800J	3200J		L=螺纹 Screw thread	V=氟橡胶 Viton
1200J	2000J				S=硅橡胶 Silicone
1400J	2500J				