

Condensate Filter Cartridge

凝结水专用滤芯

产品简介

Introduction

BOC系列凝结水专用除铁滤芯采用复合滤材组合,其绝对过滤精度能有效去除凝结水中的铁、硅的氧化物等颗粒杂质。其独特的褶形在保证流道稳定的同时也提供了更大的过滤面积,增加了滤芯的过滤效果及使用寿命。滤芯全部采用PP材质热熔焊接而成,结构稳定。BOC凝结水滤芯有可反洗滤芯和大流量滤芯两种型式。

BOC series iron removal cartridge for condensate water adopts composite material, its absolute filtration precision can effectively remove the impurities such as iron and silicon oxides in condensate water. The unique pleat-shaped design has a greater filtration surface, which improves cartridge filtration performance and prolong cartridge service life, it ensures stability of the flow-path at the same time. Condensate filter cartridge is made of hot-melt welding polypropylene, stable structure. There are two types of BOC series condensate filter cartridges, backwashable cartridges and high flow cartridges.

技术优势

Technical Advantage

- BOC使用的滤材是“长效热熔工艺”,属于长纤维深层过滤,过滤效率高,拦截精度高,过滤面积大,纳污能力强,压差增长缓慢,过滤稳定性性能好;
- BOC滤芯的滤材滤层厚,耐压能力更强;
- 滤材的相容性(COC)更高,滤材溶出物少,符合FDA 177.1520标准。
- BOC cartridge adopts “hot-melt process”, a kind of long fiber with wide applications, which has a very good performance in filtration efficiency, interception accuracy, filtration surface, pollution capacity and DP growth rate.
- BOC cartridge has a thicker filtration cloth and better pressure resistance.
- Higher compatibility of construct(COC) and less dissolved of the filter material in accordance with the standard FDA 1 77.1 520.

产品特点

Characteristics

可反洗折叠滤芯 Backwashable Pleated Cartridge

- 内置中心杆, 外附支撑骨架, 全聚丙烯 (PP) 结构, 不会产生纤维脱落等隐患。
- Cartridge central rod and external support frame are made of polypropylene, free of fibre shedding risk.
- 热熔焊接, 无化学粘合剂及表面活性剂, 保证了滤芯的高强度和低溶出物, 避免对水体产生污染。
- Hot-melt welding technology, no chemical adhesive and surfactant, strong corrosion resistance and low dissolution of the filter cartridge, which are completely pollution-free.
- 气水联合反洗, 延长滤芯使用寿命。
- Air-aided backwashing to prolong the service life of filter cartridge.
- 独特的褶型有利于反洗时滤芯的稳定, 不会发生褶变形的情况。
- The unique pleat type is conducive to the stability of filter cartridge during backwashing, without pleat deformation.

可反洗线绕滤芯 Backwashable Wire Wound Cartridge

- 内置不锈钢中心骨架, 全自动螺旋焊接并经化学处理, 强度高耐腐蚀性强。
- The automatic spiral welded stainless steel central rod is chemically treated with high strength and strong corrosion resistance.
- 单股聚丙烯纤维 (PP) 精密缠绕, 确保不会发生撕碎或断裂现象。
- Microscopic winding of single strand polypropylene fiber (PP) ensures no tearing or fracture.
- 在树脂铺膜均匀时不会发生因温度过高导致绕线膨胀产生树脂穿透的问题。
- The resin coating is uniform, there is no resin penetration caused by winding expansion from overtemperature.

大流量折叠滤芯

High Flow
Pleated
Cartridge

- 内外有支撑骨架，全聚丙烯 (PP) 结构，不会产生纤维脱落等隐患。
- The inner and outer structure support are made of polypropylene, free of fibre shedding risk.
- 热熔焊接，无化学粘合剂及表面活性剂，保证了滤芯的高强度和低溶出物，避免对水体产生污染。
- Hot-melt welding technology, no chemical adhesive and surfactant, strong corrosion resistance and low dissolution of the filter cartridge, which are completely pollution-free.
- 特殊的打褶工艺，增大滤芯过滤面积，增强纳污能力。
- Pleated design increases cartridge filtration surface and pollution capacity.
- 优化流体的水利条件设计，超强骨架结构，褶型结构稳定。
- Industry leading hydraulic design of fluid, super skeleton structure and stable pleated structure.

选型指南

Model Selection Guide

滤芯系列 Cartridge Series	直径 Diameter	滤芯长度 Cartridge Length	过滤精度 Filtration Grade (μm)	滤芯类型 Cartridge Type
CFE	60-6" 25-2.5"	60" 70"	1-20	CD-凝结水专用 Condensation Water



过滤单元基本参数

Technical Data

凝结水专用滤芯 Condensate Filter Cartridge	可反洗折叠滤芯 Backwashable Pleated Cartridge	可反洗线绕滤芯 Backwashable Wire Wound Cartridge	大流量折叠滤芯 High Flow Pleated Cartridge
最大压差 Max. Differential Pressure	40psi (0.28MPa)	43psi (0.3MPa)	36psi (0.25MPa)
最高操作温度 Max. Operating Temperature	176°F (80°C)	176°F (80°C)	176°F (80°C)
滤芯长度 Cartridge Length	70" (1778mm)	70" (1778mm)	60" (1524mm)
过滤面积 Filtration Area	70ft ² (6.5m ²)	—	114ft ² (10.5m ²)
推荐过滤流量 Recommended Flowrate	15-20gpm (3.5-4.5m ³ /h)	9.68-14.08gpm (2.2-3.2m ³ /h)	105-118gpm (24-27m ³ /h)
推荐反洗水量 Water Consumption	1.9-2.6gpm (0.45-0.6m ³ /h)	~0.968gpm (~0.22m ³ /h)	—
推荐反洗气量 Air Input	15-22gpm (3.4-5m ³ /h)	~4.84gpm (~1.1m ³ /h)	—
推荐水气反洗压力 Backwashing Pressure	29psi (0.2MPa)	43.5psi (0.3MPa)	—
过滤层 Filtering Layer	聚丙烯 (PP)	聚丙烯 (PP)	聚丙烯 (PP)
内外支撑 Inner&Outer Support	聚丙烯 (PP)	—	聚丙烯 (PP)
端盖 End Cap	聚丙烯 (PP)/ 聚丙烯+玻纤 (FRPP)	—	聚丙烯 (PP)/ 聚丙烯+玻纤 (FRPP)
O型圈 O-ring	EPDM、丁晴橡胶 (NBR)、 氟橡胶 (FPM)、硅胶 (SIL)	EPDM、丁晴橡胶 (NBR)、 氟橡胶 (FPM)、硅胶 (SIL)	EPDM、丁晴橡胶 (NBR)、 氟橡胶 (FPM)、硅胶 (SIL)
中心杆 Central Rod	聚丙烯 (PP)/SS304/316L, 底部螺纹(Threaded End)	SS304/316L, 底部螺纹 (Threaded End)	—