

### 高速气流脉冲反吹 连续除尘过滤

采用高强度、高可靠性的烧结金属微孔滤芯和特殊结构的高速气流专利喷嘴，以及分区、分组脉冲反吹结构，可直接在高风速下用于高温及腐蚀性气体的净化处理，设计除尘效率均在99.9%以上，并具有良好的滤芯清洗再生效果。系统操作采用定时或压差 PLC 或 DCS 控制，可自动切换连续运行。

#### 应用条件

各种高、低温工业气体的净化处理和烟气除尘；

气相中固体颗粒物质的过滤回收；

压缩机等气动机组的保护过滤。

#### 优势特点

气体连续过滤系统采用高强度、高可靠性的烧结金属微孔滤芯，具有耐高温、过滤精度高、在线反吹、连续高温等特点，可在高风速下稳定工作，特殊结构的专利高速气流喷嘴与接头设计除尘效率均在99.9%以上。

#### High-Speed Gas Continuous Filtration with Pulse-Jet Cleaning

High-strength and super reliability sintered metal micropore filter cartridges and patent high speed flow nozzle

with special structure as well as zoned and grouped pulse back blowing structure are used for the purification of

high temperature and corrosive gases at high air flow directly, with the designed dedusting efficiency of more than

99.00%, ensuring excellent filter cartridges cleaning and regeneration performances.

Timing or differential

pressure PLC or DCS operation enable system to work continuously by automatic switching.

### 高压气体辅助液体混合反向清洗

采用高性能整体不锈钢或耐蚀材料刚性滤芯组件和高压气体辅助液体混合反向清洗专利技术，以及微孔拦截结合滤饼的表面过滤机制；

可广泛用于液体物料、高温及腐蚀性介质的净化与回收处理。

设计使用温度可达400℃，过滤精度控制范围为0.5-200 μm；

系统封闭无污染，并具有良好的滤芯清洗再生效果。

系统操作采用定时或压差 PLC 控制，外接 DCS，具有快速排渣收集系统，可自动切换、长周期连续化运行。

#### 应用条件：

各种高、低温工业液体物料的净化过滤，固体颗粒物质的收集回收，以及工业用水的预处理等。

#### Combined Liquid Back Washing

Technology Aided by High Pressure Gas

The high performance integrated stainless steel or anti-corrosion rigid filter cartridges as well as the patent combined liquid back washing technology aided by high pressure gas and the surface filtration mechanism of blocking filtration cakes with micropores are used for purification and recovery of liquid materials and high temperature and corrosive medias. The designed operation temperature could reach

400°C, with the filtration precision of 0.5 ~200 μm. The system is fully enclosed to prevent contamination, which could provide excellent filter cartridges cleaning and regeneration performances. The system is operated with timing or differential pressure PLC with connected DCS. It is equipped with a rapid slag discharge and collection device, and has such functions as automatic switching and long-term continuous operation.

#### 列管式自动反冲洗过滤器

列管式自动反冲洗过滤器采用机械分离原理，使用进口的不锈钢楔形丝网滤芯（约翰逊网）将原料油中的杂质分离出来。

整套过滤器由多组过滤单元并联组成，利用滤后液进行反洗再生，当一组过滤单元进行反洗时，其它过滤单元正常过滤。

应用条件：

适用于汽油、重型焦化汽油、柴油、渣油、污水和其它要求净化处理的液体介质。

Tube-Type Automatic Back Washing Filter has employed mechanical separation principle, using the stainless steel wedge screen filter cartridges (Johnson Screen) at the inlet to separate the impurities from crude oils. The whole filter is composed of several filtration units in parallel. The filtered liquid is used for back washing and regeneration. When conducting back washing on one filtration unit, the other units shall be used for normal filtration.

#### 错流过滤

错流过滤装置采用公司自主知识产权的烧结金属粉末非对称滤芯为过滤元件，装置可实现过滤的同时，含固滤浆重新返回反应器，这一种典型的动态半借流工艺，很好的实现了器外反应分离一体化。

该装置利用平行交错的技术手段，有效的抑制了滤饼层的增厚，其工作稳定，滤清液量可调，过滤精度高，该装置可实现在线自动检测、自动控制、自动反冲系统，检修、维护方便，对企业提高产品质量、节约资源、降低能耗和促进环境友好具有重大意义。

#### Cross-Flow Filtration

The asymmetric filter cartridges made with the sintered metal powder material with the independent intellectual property of aect are used as the filtration elements of the cross-flow filtration device which could return the filtration slurry to the reactor during the filtration operation. This is a typical dynamic semi-cross process, realizing the integration of reaction and separation outside the filter. Using parallel cross technologies, the device could effectively suppress the thickening of the filtration cakes. Thanks to its stable operation, adjustable clean filter liquid amount and high filtration precision as well as its automatic online inspection, automatic control and automatic back washing systems, and convenient maintenance, it is of great importance for enterprises to improve their product qualities, save resources, reduce energy consumption and improve environmental conditions.