

● 应用 Applications

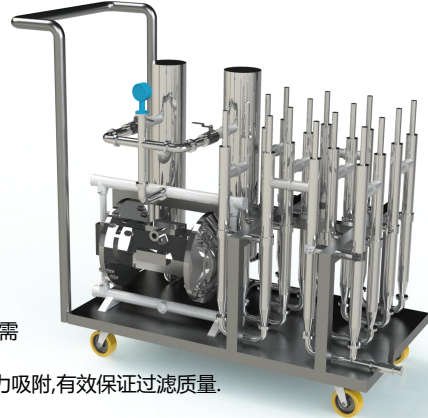
除铁过滤小车主要作用于去除流体中的铁锰元素，解决含量超标的情况。同时在食品、饮料、造纸、酿造等行业都有广泛运用，特别是对地下水水质、工业废水、地热工程等方面进行特殊处理，保证最终的产品质量。

The iron removal filter trolley is mainly used to remove iron and manganese in the fluid to solve the problem of excessive content. At the same time, it is widely used in food, beverage, paper making, brewing and other industries, especially for special treatment of groundwater quality, industrial wastewater, geothermal engineering and other aspects to ensure the quality of the final product.

● 说明 Notes

除铁过滤小车由除铁器架、除铁磁棒组、气动隔膜泵、静态过滤单元、小车共同组成，电池浆料从入料口处进入过滤器，将浆料内的杂质去除，经U型除铁器时，在除铁磁棒的磁性作用下，将浆料内的铁吸附，以达除铁目的，有效控制电池浆料的铁离子含量。

The iron removal filter car is composed of iron removal rack, iron removal bar group, pneumatic diaphragm pump, static filter unit and car. The battery slurry enters the filter from the inlet to remove the impurities in the slurry. When flowing through the U-shaped iron removal device, the iron in the slurry is absorbed under the magnetic action of the iron removal bar to achieve the purpose of iron removal and effectively control the iron ion content of the battery slurry.



● 特点 Characteristics

- 1.使用推车式结构设计，配向轮和带刹车配置，方便移动，契合多种作业流程所需
- 2.过滤器腔体内配有多组强磁棒过滤，提升过滤效能
- 3.过滤器内磁力可达12000高斯,磁节分布合理,保证每一节的强磁要求,实现强磁力吸附,有效保证过滤质量.
- 4.主体采用快卡方面连接，表面使用不锈钢镜面抛光处理，方便拆洗清洁
- 5.配有高效的气动隔膜泵，适用于大流量的过滤作业
- 6.该系统无需人工干预，只需定时废液即可，降低作业强度
- 7.磁铁棒内含铜锌镍材质的材料，有效防止因金属异物的引入而导致浆料受污染

1. The use of trolley structure design, direction wheel and brake configuration, easy to move, to meet the needs of a variety of work processes
2. The filter chamber is equipped with multiple sets of strong magnetic bar filtration to improve the filtration efficiency
3. The magnetic force in the filter can reach 12000 Gauss, and the magnetic section is reasonably distributed to ensure the strong magnetic requirements of each section, achieve strong magnetic adsorption, and effectively ensure the filter quality.
4. The main body is connected by fast card, and the surface is polished by stainless steel mirror, which is convenient for disassembly and cleaning
5. Equipped with efficient pneumatic diaphragm pump, suitable for large flow filtration operations
6. The system does not need manual intervention, just timing waste liquid can reduce the operation intensity
7. There is no material containing copper, zinc and nickel in the magnet rod, which effectively prevents the slurry from being contaminated due to the introduction of metal foreign bodies

● 选购方法 Selection method

1.根据实际需求，可以考虑使用多设备串联或并联的方式除铁：一方面，针对除铁要求较高的情况，可以采用自动磁棒除铁机和自动感应除铁机串联的方式，前者对强磁性杂质进行清除，后者则对浆料内的弱磁性杂质去除，有效做到增效降本。另一方面，针对生产产量要求较高的情况，可以采用同种机型并联的方式，对各个流量规格相同的设备同时控制，有效满足过滤除铁量较大的生产情况。

2.根据产量选择合适的磁场强度设备：在选择设备时，磁场强度、产能、故障率等技术参数和自清洁功能往往是作为有效的参考参数。而磁场强度是其中关键指标，不同的设备有着不同的性能参数，磁场节点强度峰值也有所不同，相同效率的过滤除铁小车，产量越大，所需要的磁场强度也有所增加，相对应的制作成本和复杂程度也会有所增加，因此企业要根据实际的产量需求，选择适合的设备。

3.选择自清洁的除铁设备：除铁设备在使用到一定频率后，会吸附上较多的磁性杂质，需要定时进行清洗，否则会影响过滤除铁效果。使用自动清洁的除铁设备，无需人工过多干预，根据使用频率周期进行清洗，才能保证设备正常运行状态。

1. According to the actual needs, you can consider the use of multiple equipment in series or parallel to remove iron: on the one hand, for the higher requirements of iron removal, you can use the automatic magnetic bar iron removal machine and automatic induction iron removal machine in series, the former to remove strong magnetic impurities, the latter to remove weak magnetic impurities in the slurry, effectively improve efficiency and reduce cost. On the other hand, in view of the high production requirements, the same model can be used in parallel to control the equipment with the same flow specifications at the same time, effectively meeting the production situation of large filter iron removal.

2. Select the appropriate magnetic field strength equipment according to the output: When selecting equipment, technical parameters such as magnetic field strength, production capacity, failure rate and self-cleaning function are often used as effective reference parameters. The magnetic field strength is one of the key indicators, different equipment has different performance parameters, the peak strength of the magnetic field node is also different, the same efficiency of the filter iron trolley, the larger the output, the required magnetic field strength will also increase, the corresponding production cost and complexity will also increase, so the enterprise should choose the appropriate equipment according to the actual production demand.

3. Select self-cleaning iron removal equipment: After the iron removal equipment is used to a certain frequency, more magnetic impurities will be adsorbed, and it needs to be cleaned regularly, otherwise it will affect the filter iron removal effect. The use of automatic cleaning iron removal equipment, without excessive manual intervention, according to the frequency of use cycle cleaning, in order to ensure the normal operation of the equipment.



● 技术参数 Technical specification

编码	接口 mm	磁力GS	系列	材质SUS	处理能力	设计压强
LC50G12XC04	Ø50	G12: 12000	XC:过滤小车	04: 304	0-30L/min	0.8 mpa

注：由于规格种类较多，不宜全部标出，其它规格请咨询客服，非标类产品均可定制。

Due to the variety of specifications, not all marked, other specifications please consult customer service, non-standard products can be customized.



Shanghai Lcit Industrial Co.,Ltd.
www.lcitind.com www.lcitind.cn
+86-21-57646228
880 Ziyue Road, Minhang District, Shanghai