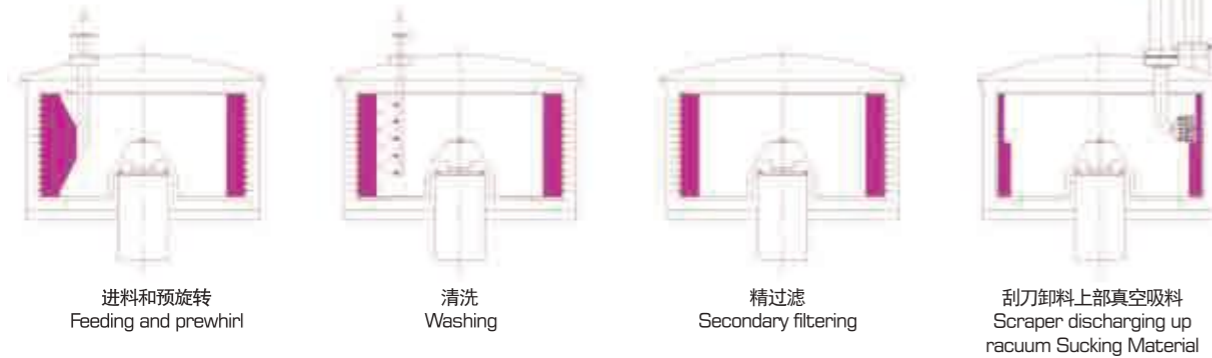
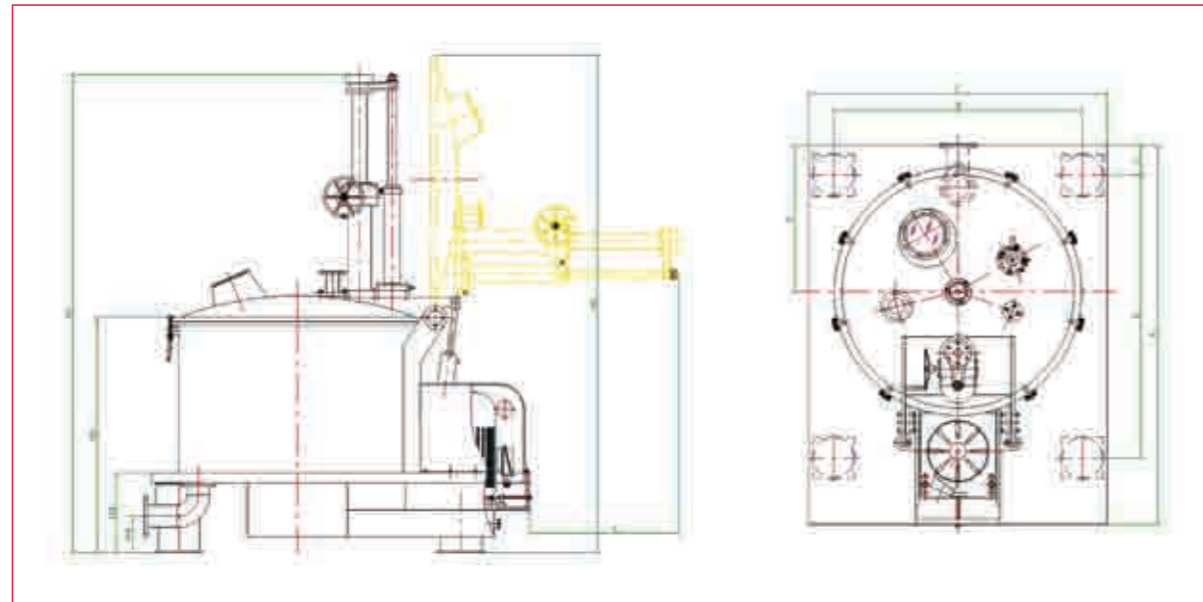


L(P)XG

系列立式上部吸料刮刀离心机

L(P)XG Product-Sucking Centrifuge

● 工作过程示意图 Working Process Sketch Map

● L(P)XG立式上部吸料刮刀离心机外形尺寸图
L(P)XG Product-Sucking Centrifuge Outline Dimensional Drawing

● 外形及安装尺寸 Model and Size

型号 Model	代号 Model	A	B	C	D	E	F	H0	H1	H2	H3	H4	L
L(P)XG-800		1700	1230	1400	1000	170	700	2280	2057	1050	320	180	750
L(P)XG-1000		1968	1500	1500	1100	180	760	2380	2117	1107	340	145	590
L(P)XG-1200		2280	1700	1800	1500	180	880	2874	2800	1150	340	140	890
L(P)XG-1250		2280	1700	1800	1500	180	880	2974	2800	1150	340	140	990
L(P)XG-1500		2600	1800	2140	1700	220	1070	3440	3130	1580	460	360	1000
L(P)XG-1600		3000	2300	2400	1900	250	1300	3870	3610	1790	420	324	1100

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L(P)GZ(MDL)

系列电机上置直联刮刀下部卸料离心机

L(P)GZ(MDL) Direct-linked shaft Centrifuge



L(P)GZ 系列电机上置直联刮刀下部卸料离心机
L(P)GZ Series Motor Upper
Direct Connection Scraper Down Discharge Centrifuge

● 主要材料

底座、机盖采用Q235衬包不锈钢,轴座采用铸钢衬包不锈钢,转鼓(转鼓底为铸钢衬包不锈钢)、外壳、管道等均采用不锈钢制作。
根据客户防腐需求选用相适应的材料:316、316L、904L、C2205、321、304、TA2、哈氏合金、衬塑、喷涂Halar等。

● 标准结构形式

L(P)GZ为平板式结构,外壳桶体与机座采用焊接式,轴承座与机盖焊接成一体后与外壳体法兰通过螺栓联接,机盖上设置加料管、洗涤管、视镜、观察灯、料位探测器、人孔等。

● 主要特点

- 1.电机采用上置式,电机通过联轴器直接与主轴连接,避免了常规传动方式中皮带摩擦引起粉尘污染的缺陷;
- 2.离心机外壳与机座采用焊接式,强度高、结构简单、紧凑;
- 3.采用变频调速,起动平稳,能有效保护电机不受过载损害;
- 4.采用PLC控制,全自动运行;
- 5.配置气体辅助刮刀可消除残余滤饼层,提高分离效果;
- 6.L(P)GZ(MDL)配装液态阻尼减振器,运行更平稳,操作更方便,无基础安装型式,安装维护方便。

● Main Material

Classis and lid adopt Q235 lined with stainless steel,bearing seat adopts cast steel lined with stainless steel,drum (its bottom is cast steel lined with stainless steel),shell cover,pipe are all made of stainless steel.
Material can be chosen according to customers' requirement of erosion proof: 316, 316L, 904L, C2205, 321, 304, TA2, Haynes alloy, lined rubber, spay halar etc.

● Standard Structure Form

L(P)GZ is platform structure,and), Welding are adopted between shell bucket and base plate or pedestal,bearing seat welded with lid together is connected with housing by flange and fixed by bolts. It is equipped with feeding pipe, washing pipe, sight glass, observation lamp,product level detector, man hole etc.

● Main characteristics

- 1.Upper setting is adopted on motor design which connects directly with main shaft by coupling,it will avoid powder pollution because of belt friction during common transmission.
 - 2.Welded structure is adopted between housing and base.It has advantage of high intensity, simple and tight structure and so on
 - 3.Frequency speed regulation is adopted to ensure a stable start it can protect motor from over effectively.
 - 4.PLC control is adopted to ensure automatic running.
 - 5.Gas assisted scraper device is adopted to remove remnant filter cake.It can improve the effect of separation.
 - 6.L(P)GZ(MDL) is equipped with liquid state damp shock absorber which can ensure stable running and convenient operation.
- Centrifuge adopts no basis installation,which can make installation and maintenance conveniently.

L(P)GZ(MDL)

系列电机上置直联刮刀下部卸料离心机

L(P)GZ(MDL) Direct-linked shaft Centrifuge

● 型号及主要技术参数 Model and Main Parameters

项目 Item	型号 Model	L(P)GZ-1250MDL	L(P)GZ-1500MDL	L(P)GZ-1600MDL	L(P)GZ-1600MDL(A)
转鼓直径 Drum diameter(mm)		1250	1500	1600	1600
转鼓高度 Drum Height(mm)		630/800	800	920	1000
转鼓容积 Drum volume(L)		350/450	580	970	1000
装料限量 Loading capacity(Kg)		460/580	720	1200	1300
电机额定转速(rpm)		970	850	850	850
最大分离因素 Maximum separating factor		657	605	645	646
电机功率 Motor power (Kw)		22/30	37	45	45
外形尺寸(含减震器) Size including Shock absorber (mm)		2000 × 2000 × 2266 2000 × 2000 × 2396	2500 × 2500 × 2650	2500 × 2500 × 2800	2500 × 2500 × 3000
机器重量 Weight(Kg)		5800/6000	12200	13300	13700

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● 标准配置

采用PLC+变频控制,能耗制动,接触式料位探测器,立式防爆电机,现场防爆操作箱,液压组合刮刀。

● 配置选择

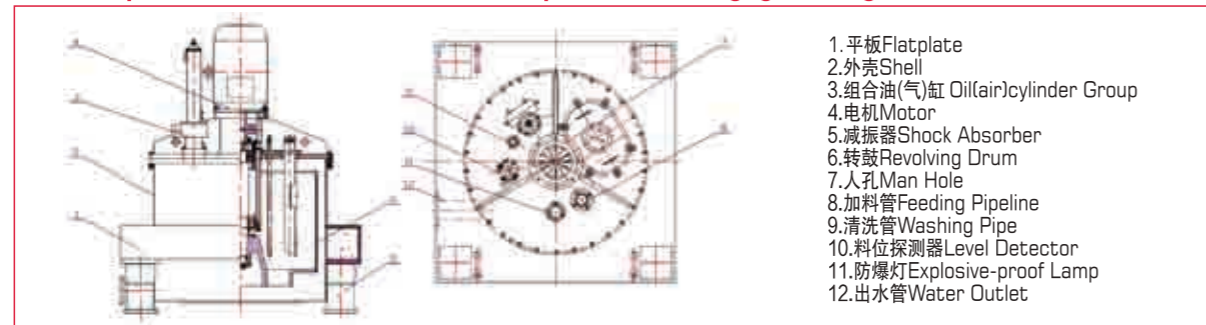
- 1.变频防爆或普通电机(恒扭矩)
- 2.气动组合刮刀
- 3.反馈制动,普通或防爆触摸屏
- 4.振动保护、充氮保护、转速监测
- 5.含氧监测或充氮压力控制
- 6.母液出口液封
- 7.在线清洗(CIP)装置、气体辅助刮刀装置
- 8.非接触式料位探测器
- 9.残余滤饼自动清除装置(获国家专利)
- 10.其它配置要求

● 参数选择

可根据客户的工艺需要提供不同参数的产品:
装料容积(装料限量)

● L(P)GZ(MDL)系列全自动刮刀下部卸料离心机结构示意图

Sketch Map of L(P)GZ(MDL) Series Automatic Scraper Down Discharging Centrifuge Structure



1. 平板 Flatplate
2. 外壳 Shell
3. 组合油(气)缸 Oil(fair)cylinder Group
4. 电机 Motor
5. 减振器 Shock Absorber
6. 转鼓 Revolving Drum
7. 人孔 Man Hole
8. 加料管 Feeding Pipeline
9. 清洗管 Washing Pipe
10. 料位探测器 Level Detector
11. 防爆灯 Explosive-proof Lamp
12. 出水管 Water Outlet

● Standard Configuration

PLC plus frequency conversion control,dynamic braking,contact product level detection.Stand explosive-proof motor. Spot Explosive-proof operation case.Hydraulic combined scraper.

● Configuration

- 1.Explosive-proof frequency conversion or common motor (permanent torque.
- 2.Pneumatic assisted scrapper
- 3.Regenerative braking,common or explosive-proof touching screen
- 4.Vibration protection,nitrogen protection,speed monitor
- 5.Oxygen-containing monitor or nitrogen pressure control
- 6.Liquid seal of mother liquid outlet
- 7.CIP device,gas auxiliary scrapper device
- 8.Non-contact product level detector
- 9.Automatic residual cakes removing device
- 10.Other requirements of configuration

● Parametric Selection

Different parameters of product can be supplied according to customer's art requirements.
Loading capacity(the maximum capacity)

L(P)D

系列吊袋上部卸料离心机

L(P)D Series Hanging Bag Up Discharging Centrifuge

L(P)D系列吊袋上部卸料离心机
L(P)D Series Hanging Bag Up Discharging Centrifuge

● 主要特点

- 1.采用快装式吊袋卸料方式,操作方便快速省力。
- 2.全封闭式结构设计,避免分离物料的交叉污染,符合GMP规范要求。离心机内腔氮气保护,充分满足密闭防爆要求。
- 3.采用大机盖,卸料方便。
- 4.机盖开启配有机械平衡器助力。
- 5.配套变频程序控制系统,启动平稳。
- 6.内外表面经抛光处理,无死角,全部圆滑过渡,配在线清洗(物料清洗,机器清洗),实现最佳的洗涤效果。
- 7.通用性强,适用范围广,晶粒不易破坏。

● 标准结构形式

平台结构、外壳与平板焊接为一体,壳盖与壳体采用法兰配合快开结构,壳盖的开启采用平衡缸助力(弹簧),壳盖上设置加料管、清洗管、视镜、观察灯、透气口等,外部连接管口均采用标准法兰。

● 配置选择

- 1.氮气保护系统
- 2.出液口液封装置
- 3.PLC程序控制及料层探测
- 4.斜盘式布料器,在线清洗装置
- 5.配变频控制且采用反馈制动系统
- 6.移动安装,配置避振器等
- 7.其他配置要求

● Configuration Choice

1. T1. Nitrogen protection system
2. Liquid -seal device at liquid outlet
3. PLC Program Control and Material layer Detection
4. Inclined plate asynchronous distributor, on-line cleaning device
5. Equipped with frequency conversion control and feedback braking system
6. Mobile installation, equip with shock absorber, etc.
7. Other configuration requirements

● Main Characteristics

1. The quick-loading lifting bag discharging method is adopted, which is easy to operate, fast and labor-saving.
2. Fully hermetical structure design is adopted, avoiding cross-contamination of separation materials and in accordance with GMP specifications. The nitrogen protection in the inner chamber of the centrifuge fully meets the requirements of hermetical explosion protection.
3. It is easy to discharge with large machine cover.
4. Cover opening is equipped with mechanical balancer.
5. Equipped with frequency conversion program control system, smooth and steady starting.
6. The inner and outer surfaces are polished, without dead angle, all smooth transition, with on-line cleaning (material cleaning, machine cleaning),in order to achieve the best washing effect.
7. It has strong applicability, wide application range and crystal particles are not easy to be destroyed.

● Standard Structure Form

Platform structure, shell and plate welding as a whole, shell cover and shell body with flange quick opening structure, shell cover opening using balanced cylinder assist (spring), shell cover with feeding pipe, cleaning pipe, sight glass, observation lamp, ventilation port, etc., external connection pipe nozzles using standard flange.