

## L(P)B

## 系列密闭离心机

Series Hermetical Centrifuge

L(P)B系列离心机  
L(P)B Series Hermetical Centrifuge密闭喷HALAR离心机  
Hermetical HALAR-sprayed Centrifuge

## ● 工作原理

L(P)B系列离心机是依据GMP规范和环保要求而设计的全封闭式上部卸料过滤离心机，电机由变频控制(也可采用离合器)平稳启动，通过传动系统带动转鼓使转鼓绕自身轴线高速旋转，形成离心力场。加料转速，清洗转速，脱液转速都可以在一定转速(额定转速)内任意选择，在离心力场作用下，物料均布在转鼓上进行脱液分离，液相透过固相物料及滤网(袋)的缝隙，经转鼓壁孔甩至机壳空腔，从底盘出液口排出，固相物料则被截留在转鼓内，料液由加料管加入，洗涤水通过洗涤管加入，加料，洗涤可由专门的阀进行控制，物料脱水，洗涤完毕后停机，借助于特殊设计的平衡装置，打开机盖，将物料卸出。

## ● 性能与用途

L(P)B系列离心机对物料的适应性强,可分离卸料径为微米级的细颗粒,也可对成件物品脱液,能分离各种难分离的悬浮液,人工卸料,晶粒不易破坏。如:石膏、硫酸、硫酸铜、氯化钾、硼砂、染料、树脂、农药药剂等化工行业,食盐、味精、食品添加剂、淀粉、制糖、调味品等食品行业,抗生素、维生素等制药行业,铜、锌、铝等矿产品,以及环保(污泥污水处理)行业。

## ● Working principle

Which are in accordance with the GMP Norm and the requirement of environmental protecting,Started up stably under frequency conversion control system (a clutch is another choice),the motor drives the revolving drum through a transmission system to give the drum a fast and circumaxile revolve,thus a centrifugal force field is generated. The revolving speed of feeding,cleaing and solid-liquid separating can all be adjusted in a certain speed range (from 0 to the rated revolving speed):Under the effect of centrifugal Force,the material is evenly distributed on the drum wall to take off the liquid. Drilling through the gap between the solid phase material and filter net ( or a filter bag ),the liquid phase is thrown into the empty chamber of the shell through the drum wall hole, and then discharged while the solid phase remains in the drum. Since liquid material is fed in the feeding pipeline and the washing Water from the washing pipline, there are special valves to control the feeding and washing. After the dehydrating and washing,you can halt the centrifuge,open the upper cover and discharge the material by a distinguishingly designed balancing facility.

## ● Properties and Uses

Since the L(P)B Series centrifuge has a good adaptability to the materials,it can be used to separate the fine geains of micron size, to dehydrate the large articles,as well as to apart all kinds of suspension that was difficult to separate. The grains are discharged manually and will not be broken at random. For example,it suits for industrial materials such as gypsum,ammonium sulphide,bluestone, potassium chloride,borax,dyestuff,resin,pesticide,pharmaceutical materials such as salt, monosodium glutamate,food additive,starch, sugar,flavoring,antibiotic,vitamin,mining products like copper,zinc and aluminum etc,and other industries such as environmental protecting (sullage and sewage processing) etc.

## ● 主要特点

- 1.结构新颖,操作维修方便。
- 2.全封闭结构设计改善了工作环境,符合GMP和环保方面要求。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,卸料方便并可对外壳与转鼓夹层空间进行彻底冲洗。
- 4.机盖开启配有机械平衡器既省力又不需能源。
- 5.配套变频程序控制系统,启动平稳,程序设定(加料,过滤,洗涤等全过程完全自动化),能耗(反馈)制动,无摩擦粉尘污染,无摩擦发热,操作更安全。
- 6.内外表面经抛光处理,无死角,全部圆滑过渡,配在线清洗(料清洗,机器清洗),实现最佳的洗涤效果。
- 7.晶粒不易破坏。

## ● 标准结构形式

采用传统结构形式,壳体与底盘采用分体结构,壳盖与壳体采用法兰配合密闭,并采用大翻盖快开锁紧,平衡缸助力开盖,壳盖上设置加料管、清洗管、视镜、观察灯、摩擦式手动刹车机构、配套摩擦式启动离合器。

## ● 型号及主要技术参数 Model and Main Parameters

项目Item	型号 Model	L(P)B-200	L(P)B-300	L(P)B-450	L(P)B-600	L(P)B-800	L(P)B-1000	L(P)B-1200	L(P)B-1250	L(P)B-1500
转鼓直径Drum diameter(mm)		200	300	450	600	800	1000	1200	1250	1500
转鼓容积Drum volume(L)		3	10	20	45	90	140	250	320/400	700
转鼓高度Drum Height(mm)		140	210	300	350	400	420	450	500/600	700
装料限量Loading capacity(Kg)		3.5	12	30	68	135	200	300	400/520	800
转鼓最高转速Drum Max. Speed(r/min)		3000	2800	2000	1600	1200/1500	1080/1200	950	900/1000	850
最大分离因素Maximum separating factor		1007	1315	1007	860	645/1007	652/805	605	566/700	606
电机功率Motor power (Kw)		0.55/0.75	1.5	3	3	5.5/7.5	11	15	18.5	22
机器重量Weight(Kg)		75	250	680	1100	1400/1500	2500	3000	3700/3900	4800

## ● 外形及安装尺寸 The Appearance and Installation Size

项目Item	代号Code	A	A1	B	B1	H	H1	H2	C	C1	D	D1	n-φd
L(P)B300		620	460	800	530	950	580	200	620	460	140	100	4-φ18
L(P)B450		920	720	1260	700	1450	720	250	600	720	165	125	4-φ18
L(P)B600		920	660	1335	845	1750	865	250	600	660	185	145	4-φ18
L(P)B800		1200	900	1600	1230	2120	1008	320	1000	750	200	160	8-φ18
L(P)B1000		1500	1100	1968	1350	2320	1065	300	885	1000	220	180	8-φ18
L(P)B1200		1800	1200	2280	1700	2720	1215	360	1400	1200	250	210	8-φ18
L(P)B1250		1800	1200	2280	1700	2780	1225	360	1400	1200	250	210	8-φ18
L(P)B1500		2140	1700	1600	1750	3365	1610	450	1400	1400	285	240	8-φ18

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