

专为喷干工艺 前级过滤喂料 设计的电动隔膜泵  
自动保压，流量连续、无泄漏，耐腐蚀，适合颗粒和较高粘度介质

## Unique Automatic Diaphragm Booster Pump for Spraydrying

FDA/3A Standard options



### 性能Performance

- 结合隔膜泵的无泄漏特性和电动泵高效率特性
- 流量@max:189lpm(50gpm)  
压力@max: 7bar (100 psi)
- 效率60%以上
- 特殊设计的隔膜驱动结构能大幅度降低流量脉动,而不需要脉冲缓冲器
- 自动稳压, 而不需要额外的控制或电子部件
- 不需安全回流管路等
- Get the benefits of a seal-less pump design AND the efficiency of an electric drive in one pump!
- Deliver up to 189 lpm (50 gpm) with pressures up to 7 bar (100 psi) for your toughest transfer applications
- Up to 60% more efficient than other air operated diaphragm pumps
- Ability to reduce pulsation without the addition of pulsation dampeners
- Auto remain the required pressure without additional controls or electronics
- Relief valve no required

## 结构Construction

### 【中心传动段】

- 不锈钢材质 PP PVDF 哈氏合金
- 中心传动部分是专利技术，带有脉动阻尼效果的预压式安装，输出流量连续无脉冲。

### 【气压平衡】

- 增加隔膜寿命，基于液压隔膜泵背压平衡原理。

### 【湿液部分】

- SS316L 不锈钢、PP 聚丙烯、PVDF
- 便于安装
- 多样化湿部件选项，可处理所有的流体输送需求

### 【驱动电机】

- 60% 以上效率，交流或直流电动机可选
- 交流电机，可 ATEX 防爆型
- PLC 集成的变频控制
- 直流电机：  
智能控制配料，压力控制，闭环流量反馈可转换

### 【密封，单向阀，隔膜】

- 标准互换的球，座位，隔膜
  - 长寿命设计，提高正常运行时间，降低维护成本
- 3A; FDA standard option.

### Center Section

- SST PP PVDF Hastelloy
- Patented center section design provides ability to:- stall against pressure - put pump in smooth flow mode for pulse free operation

### Air Charge for balance

- Increases diaphragm life without compromising your fluid with hydraulic fluid backer

### Fluid Section

- Aluminum, stainless, or polypropylene
- Easy installation
- Wide range of fluid wetted section offerings that really can handle all of your fluid transfer needs

### Electric Drive

- Up to 60% wire to water efficiency with electric motor drive
- Motor Options ( Available in AC or DC)
- AC models - available as ATEX or non-ATEX:  
VFD controlled for speed - PLC integration w/VFD
  - DC models:  
Ampump smart controls - Batching, pressure control, closed loop flow feedback interchangeable

### Seats, Balls, and Diaphragms

- Ball, seat, diaphragm interchangeable
- Long life design improves uptime and reduces maintenance costs



## 材料选项 Material

Pump body 泵体	Valve seat 阀座	Ball valve 球阀	Diaphragm 隔膜
SST316L	SST316L	SST316L	PTFE
PP	HARDENED SST	HARDENED SST	TPE
PVDF	TPE	TPE	Santoprene
Hastelloy 哈氏合金	BUNA N	BUNA N	Buna N
	VITON	VITON	VITON
	PP	PP	Neoprene
	PVDF	PVDF	



Stainless Steel



Aluminium



Polypropylene

### 特点:

- ❖ 高效率，卫生级，更安全，更快捷
- ❖ 自吸力强，可空打
- ❖ 背压停机，流量可调
- ❖ 无机械密封，无泄漏，安全防爆
- ❖ 卫生快卡式连接，拆装方便
- ❖ 维护简单，费用低
- ❖ 安装简单
- ❖ 整体 316 不锈钢

## 为什么选择自动稳压电动隔膜泵 WHY CHOOSE AMPUMP?



- 创新的自动稳压技术,将停滞在设定压力而不需要额外的控制或电子部件
- 更高的效率相比于气动泵,使你的设施绿色和减少能源成本
- 隔膜泵的所有好处加上电动驱动泵的好处:Seal-less设计与自吸能力
- 电力驱动源泵使您可以轻松地集成到你的设备控制系统不断监测泵
- 最简的操作
- 轻便车挂载选项可以让你在几秒钟的时间内传输流体材料,只是塞泵进你的电源
- 适合应用程序需要低脉动和顺畅
- Only electric pump on the market that will stall under pressure without additional controls or electronics.
- Up to 50% more efficient than other air operated diaphragm pumps, making your facility green and reducing your energy costs
- All the benefits of diaphragm pumps coupled with the benefits of electric driven pumps: Seal-less design & Self-priming ability
- Electric drive source allows you to easily integrate the pump into your facilities control system to constantly monitor pump
- Less operation
- Portable cart mount option lets you transfer fluid material in seconds, just plug the pump into your power source
- Ideal for applications that require low pulsation and a smooth flow

## 应用Application

食品类	
浓缩果汁	番茄酱
浓缩奶品	水果酱
烤肉酱	蜂蜜
色拉酱	巧克力
花生酱	浓缩汁
麦芽糖	蛋黄酱
杏仁糊	干酪
玉米糊	汤料
酒	油

化妆品类	
润肤露	沐浴露
洗发水	牙膏
护手霜	面膜原料

医药类	
处方软膏	非处方软膏
咳嗽水	凡士林
霜剂	甘油

从低粘度的食品、日化品、医药级原材料，到高粘度的食品、日化品、医药级原材料，Ampump以更卫生、更安全、更快捷的解决方案全面满足各类高标准泵送需求。

应用案例
离心机供料
定量输送
高压泵供料
压滤机供料
过滤器供料
低压喷雾干燥

