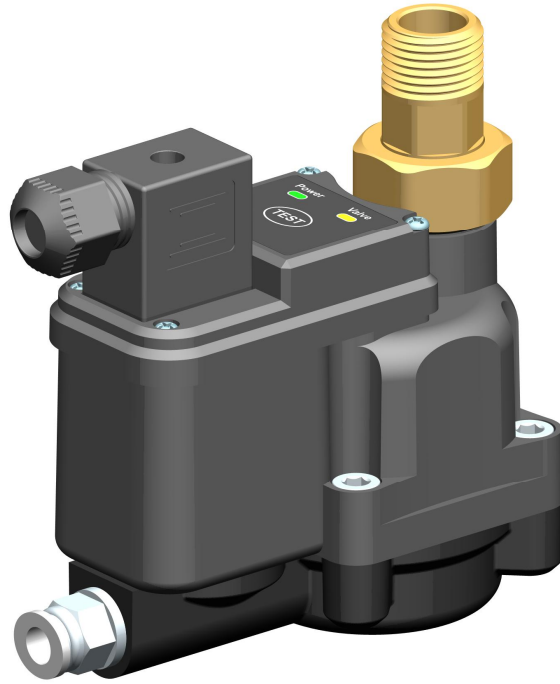


Economical Electronic Zero Loss Drain , Affordable



**SD-200A**

**电子零气耗排水器**

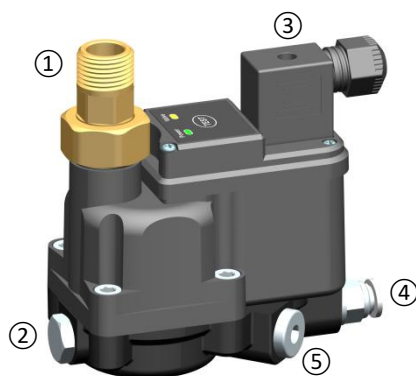
Electronic Zero Loss Drain

## 技术参数 Data sheet

| 产品型号<br>Product model                                 | SD-200A  |
|---|--|
| 产品特点<br>Product features                              | ①磁性触发控制排水, 零气耗<br>②一体化设计, 尼龙外壳, 经济性好<br>①Magnetic trigger control<br>②Integrated design, nylon housing, economical |
| 应用场合<br>Applications                                  | 小水量排放, 如过滤器、小型冷干机等<br>Small water volume, such as filters and small-size dryers                                    |
| 工作压力<br>Working pressure                              | 0-1.6 MPa  |
| 最大排水量<br>Max. discharge volume                        | 12 L/h   |
| 推荐适用空压机容量<br>Recommended compressor capacity          | 10 m <sup>3</sup> /min   |
| 推荐适用冷干机容量<br>Recommended refrigeration dryer capacity | 20 m <sup>3</sup> /min   |
| 推荐适用过滤器容量<br>Recommended filter capacity              | 100 m <sup>3</sup> /min  |
| 适用介质<br>Applicable media                              | 水、含油冷凝水<br>Water、Oil-containing condensate   |
| 介质温度<br>Temperature of medium                         | 1-60 °C  |
| 环境温度<br>Temperature of ambient                        | 1-60°C (零下温度可选用加热棒附件)<br>1-60°C (Drain Heater is optional for sub-zero temperature)                                |
| 入口尺寸<br>Inlet   | R1/2" (垂直入水口)<br>Vertical inlet  |
| 出口尺寸<br>Outlet  | Φ8 (G1/4")   |
| 平衡回路接口<br>Port of air balance pipe                    | 无<br>No  |
| 排放阀类型<br>Type of discharge valve                      | 电磁阀<br>Solenoid valve  |
| 过滤网<br>Strainer mesh                                  | 有 (外置滤网)<br>Yes (External mesh)  |
| 容器壳体材质<br>Material of housing                         | 铝+增强尼龙<br>Aluminum + PA  |
| 手动排水功能<br>Manual function                             | 有<br>Yes   |
| 安装位置<br>Installation position                         | 如图片所示<br>As shown in pictures  |
| 防护等级<br>Protective class                              | IP65   |
| 标准电压<br>Supply voltage options                        | 24V AC/DC、110V AC、220V AC  |
| 报警功能<br>Alarm function                                | 无报警功能<br>No alarm  |
| 外形尺寸 长*宽*高 (mm)<br>Overall dimensions L*W*H (mm)      | 124 * 60 * 123   |
| 产品净重<br>N.W.  | 0.6 kg   |



## 结构 Structure



- ①入水口 R1/2" (活动接头)  
Inlet R1/2" (Movable joint)
- ②备用接口  
Spare port
- ③电源接线盒  
Power connector
- ④出水口 G1/4" (配  $\phi 8$  快插接头)  
Outlet G1/4" (Quick connector  $\phi 8$  is matched)
- ⑤外置滤网堵头  
Plug of external mesh

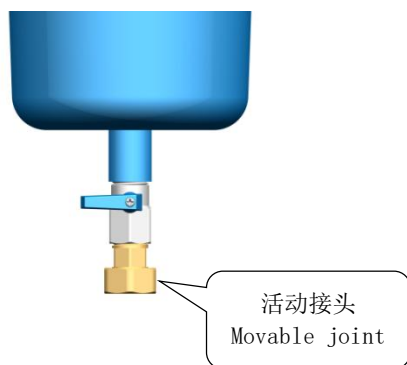
**安全提示：在安装和维护排水器之前，排水器必须处于断电、无气压状态！**

**Safety Warning: The drain valve must be in a state of power off and no pressure before cleaning and maintaining it!**

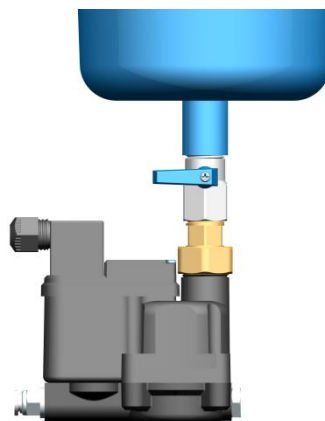
## 安装 Installation

排水器安装 Installation of drain

首先安装活动接头 Install movable joint

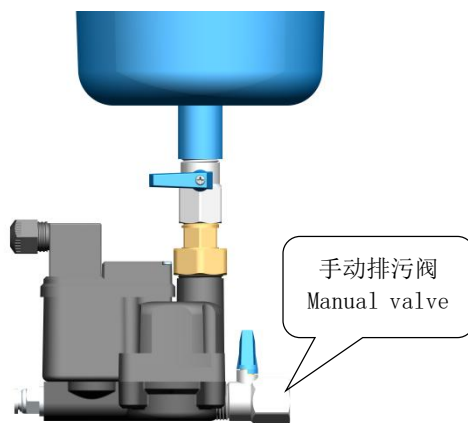


其次安装排水器主体 Install drain valve



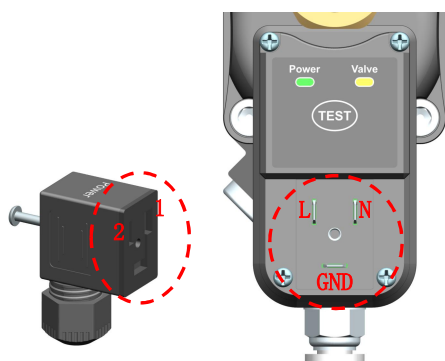
推荐装手动排污阀，定期冲洗罐体

A manual valve to flush tank regularly is recommended to be set





## 排水器接线 Electrical connection



### 电源电压必须正确!

交流电：火线接 1 (L)，零线接 2 (N)，地线口接地。

直流电：正极 (+) 接 1，负极 (-) 接 2，地线口接地。

电缆锁头要锁紧，接线盒螺钉要拧紧，确保防水。

### Voltage of power must be correct!

For alternating current: Terminal 1 is connected to live line (L), terminal 2 is connected to neutral line (N), and ground terminal is grounded.

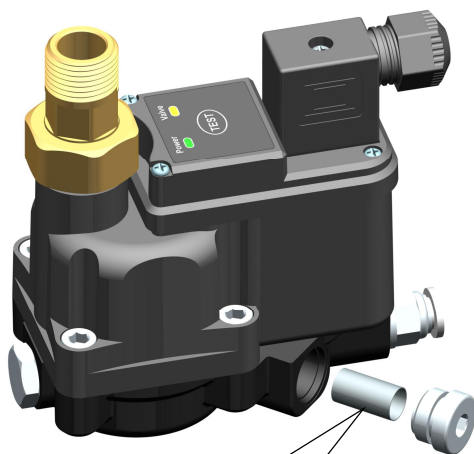
For direct current: Terminal 1 is connected to positive (+), terminal 2 is connected to negative (-), and ground terminal is grounded.

Ensure the cable lock is tightened and the connector screw is secured to guarantee waterproofing.

## 使用 Use

### 维护建议 Maintenance advice

- 定期按下 TEST 按键，检测排水器功能。
- 过滤网每月清理一次，冷凝水杂质多的工况需要增加清理次数，必要时更换易损件。
- Push TEST regularly to check drain valve.
- Strainer mesh should be cleaned once a month. Number of cleaning times shall be increased for the working condition with lots of impurities. Wearing parts shall be replaced when necessary.



外置滤网  
External mesh