

SD-200E

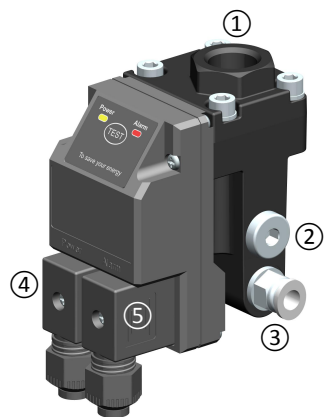
电子零气耗排水器

Electronic Zero Loss Drain

技术参数 Data sheet

产品型号 Product model	SD-200E
产品特点 Product features	模块化结构, 体积小, 重量轻 Modular structure, small size and light weight
应用场合 Applications	小水量排放, 如过滤器、小型冷干机等 Small water volume, such as filters and small-size dryers
工作压力 Working pressure	0-1.6 MPa
最大排水量 Max. discharge volume	12 L/h
推荐适用空压机容量 Recommended compressor capacity	10 m ³ /min
推荐适用冷干机容量 Recommended refrigeration dryer capacity	20 m ³ /min
推荐适用过滤器容量 Recommended filter capacity	100 m ³ /min
适用介质 Applicable media	水、含油冷凝水 Water、Oil-containing condensate
介质温度 Temperature of medium	1-60 °C
环境温度 Temperature of ambient	1-60°C (零下温度可选用加热棒附件) 1-60°C (Drain Heater is optional for sub-zero temperature)
入口尺寸 Inlet	G1/2" (垂直入水口) Vertical inlet
出口尺寸 Outlet	Φ8 (G1/4")
平衡回路接口 Port of air balance pipe	无 No
排放阀类型 Type of discharge valve	电磁阀 Solenoid valve
过滤网 Strainer mesh	有 (外置滤网) Yes (External mesh)
容器壳体材质 Material of housing	铝 Aluminum
手动排水功能 Manual function	有 Yes
安装位置 Installation position	如图片所示 As shown in pictures
防护等级 Protective class	IP65
标准电压 Supply voltage options	24V AC/DC、110V AC、220V AC
报警功能 Alarm function	同时提供 N. O (报警接通) 和 N. C (报警断开) 两种形式的无源触点输出 Two kinds of alarm contacts of normally open (N.O) (switch on when alarm) and normally closed (N.C) (switch off when alarm) are available at the same time
报警触点负载 Load of alarm contacts	交流电最大负载 62.5VA, 直流电最大负载 60W Max. 62.5VA for alternating current, Max. 60W for direct current
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H (mm)	93 * 79 * 124
产品净重 N. W.	0.6 kg

结构 Structure



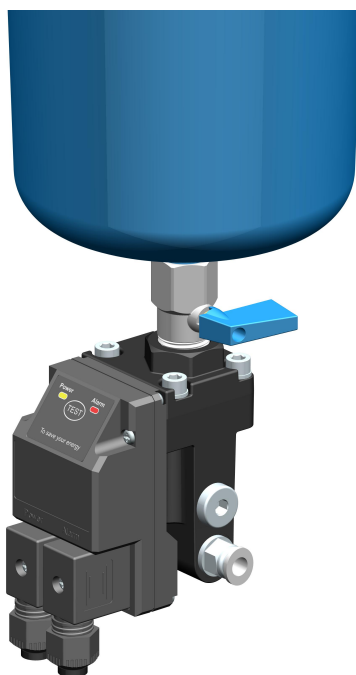
- ①入水口 G1/2"
Inlet G1/2"
- ②外置滤网堵头
Plug of external mesh
- ③出水口 G1/4" (配 $\phi 8$ 快插接头)
Outlet G1/4" (Quick connector $\phi 8$ is matched)
- ④电源接线盒
Power connector
- ⑤报警接线盒
Alarm connector

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!

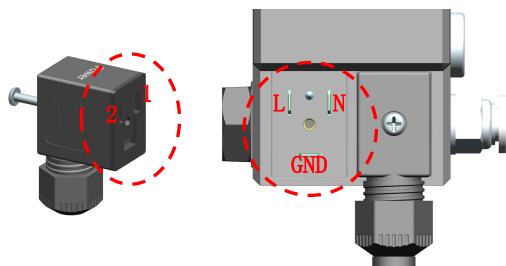
安装 Installation

排水器安装 Installation of drain



排水器接线 Electrical connection

电源接线 Connection of power supply



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。

Voltage of power must be correct!

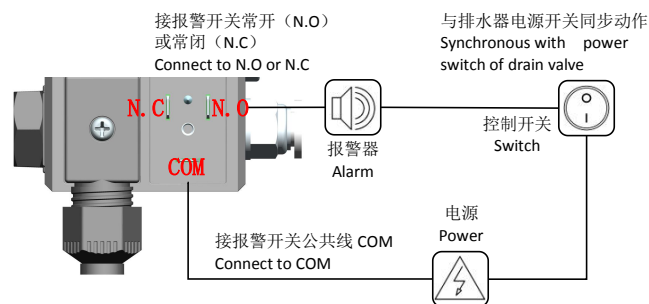
电缆锁头要锁紧, 接线盒螺钉要拧紧, 确保防水。

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.

报警接线 Connection of alarm signal



同时提供 N.O (报警接通) 和 N.C (报警断开) 两种形式的无源触点输出。

电缆锁头要锁紧, 接线盒螺钉要拧紧, 确保防水。

Two kinds of alarm contacts of normally open (N.O) (switch on when alarm) and normally closed (N.C) (switch off when alarm) are available at the same time.

断电时: COM 与 N.O 接通, 与 N.C 断开

COM is connected to N.O and disconnected from N.C when power-off

通电时: COM 与 N.O 断开, 与 N.C 接通

COM is disconnected from N.O and connected to N.C when power-on

报警时: COM 与 N.O 接通, 与 N.C 断开

COM is connected to N.O and disconnected from N.C when alarm

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.

