

CONDENSATE MANAGEMENT

Reliable Solutions for Clean, Efficient
& Cost-Effective Compressed Air Systems



PROTECT
Your Equipment



IMPROVE
Air Quality



INCREASE
Efficiency



REDUCE
Operational Costs



EFFECTIVE CONDENSATE REMOVAL
Prevent moisture buildup and system corrosion



ENERGY SAVING TECHNOLOGY
Zero air loss & minimal energy consumption



EASY INSTALLATION & MAINTENANCE
Compact, durable & user-friendly design



ENVIRONMENTALLY RESPONSIBLE
Protects the environment by removing oil and contaminants



Mic-drain
电子定时排水阀
Timer Drain



Smart Drain
电子零气耗排水器
Electronic Zero Loss Drain



Mag-drain
气动零气耗排水器
Pneumatic Zero Loss Drain



Accessories of Drains
空压排水器附件



Vac-drain
真空排水器
Vacuum Drain



U-Separator
油水分离器(冷凝水清洁剂)
Oil Water Separator



Mic-drain

Timer Drain

Briefs

Condensate water will be produced in process of compressed air system. Quality of compressed air will be seriously affected if condensate containing oil and particle impurities can not be discharged in time.

Mic-drain is a combination of an electronic timer and a solenoid valve designed to discharge condensate from compressed air systems automatically. Which is widely used for air compressor, cooler, air tank, filter, separator, dryer, etc.

Mic-drain has a wide range of specifications, providing users with multiple choices in connecting port, working pressure, applicable voltage, materials, big flow and electrical heating.

Mic-drain is paid attention in details, which is reliable and cost-effective.

Features

CE, UKCA certification

Protective class IP65

Discharge and interval time can be adjusted

Manual test

Flame retardant timer

Matched with ball valve strainer

Easy to clean strainer mesh

Multiple voltages and connecting ports available

High pressure and all stainless steel models available

Optional electric heating valve to prevent freezing in cold area

Explosion-proof solenoid valve optional

Working principle

Set the discharge time ON and interval time OFF;

After power on, immediately enter ON state, coil is powered on, solenoid valve is opened, and condensate is discharged;

When ON time ends and OFF time starts, coil is powered off, solenoid valve is closed, and discharge is stopped;

The solenoid valve is switched on and off regularly and circularly to realize regular and automatic discharge of condensate.

MIC-A (分体式)

Split type

MIC-B (一体式)

Integrated type



Mic-drain 工作原理

Working principle of Mic-drain

Mic-drain 标准型 Standard models

产品型号 Product model	MIC-A	MIC-B
产品特点 Product features	分体式 (L型) Split type (L-type)	一体式 (直线型) Integrated type (line-type)
定时器时间调节范围 Timer cycle range (ON/OFF)	ON 0.5-10 Sec. / OFF 0.5-10 Min. (ON 0.5-10 Sec. / OFF 0.5-45 Min. 可选)	
工作压力 Rated working pressure	0-1.6 MPa	
0.5MPa 时电磁阀排水能力 Discharge capacity at 0.5MPa	大约 160 ml/s About 160 ml/s	
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℃	
环境温度 Temperature of ambient	1-60℃ (零下温度可选用加热型) 1-60℃ (Heating model is optional for sub-zero temperature)	
过滤器入口/出口 Inlet/Outlet of ball valve strainer	入口 R1/2" 出口 R1/2" (其他螺纹可选) Inlet R1/2" Outlet R1/2" (Other threads optional)	入口 R1/2" Inlet R1/2"
电磁阀入口/出口 Inlet/Outlet of solenoid valve	1/2" (其他螺纹可选) 1/2" (Other threads optional)	出口 1/2" Outlet 1/2"
排放阀类型 Type of discharge valve	直动型电磁阀 Direct acting solenoid valve	
电磁阀密封件 Seal for solenoid valve	NBR	
电磁阀流量孔径 Valve orifice	3.2 mm	
排放阀前置过滤网 Strainer mesh in front of discharge valve	有 Yes	
阀体材质 Material of valve body	黄铜 Brass	
手动排水功能 Manual function	有 Yes	
安装位置 Installation position	任意位置 Any	
防护等级 Protective class	IP65 (正确装配后) IP65 (After correct assembling)	
标准电压 Supply voltage options	24VAC/DC, 110VAC/DC, 220VAC, 380VAC 50/60Hz 可选 Optional	
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H	88 * 90 * 111	94 * 90 * 122
产品净重 N.W.	605 g	530 g

				
产品型号 Product model	MIC-HP40	MIC-HP80	MIC-HP100	MIC-HP250/350/400
产品特点 Product features	高压型，配有球阀过滤器 High pressure with ball valve strainer 高压型 High pressure			
定时器时间调节范围 Timer cycle range (ON/OFF)	ON 0.5-10 Sec. / (OFF 0.5-10 Min. FF ON 0.5-10 Sec. / 00.5-45 Min. 可选)			
工作压力 Rated working pressure	0-4.0 MPa	0-6.0 MPa	0-10.0 MPa	0-25/35/40 MPa
适用介质 Applicable media	水、含油冷凝水 Water, Oil-containing condensate			
介质温度 Temperature of medium	1-10℃			
环境温度 Temperature of ambient	1-10℃			
过滤器入口/出口 Inlet/Outlet of ball valve strainer	入口 R1/2" - G1/4" 出口 R1/2" Inlet R1/2" - G1/4" Outlet R1/2"			
电磁阀入口尺寸 Inlet	Rc1/2"	Rc1/4", Rc1/2"	Rc1/4"	G1/4", NPT1/4"
电磁阀出口尺寸 Outlet	Rc1/2"	Rc1/4", Rc1/2"	Rc1/4"	G1/4", NPT1/4"
排放阀类型 Type of discharge valve	直动 (电磁阀) Direct acting solenoid valve			
电磁阀密封件 Seal for solenoid valve	氟橡胶 Viton			聚氨酯 PU
电磁阀流量孔径 Valve orifice	2.0 mm	1.7 mm	1.5 mm	0.9 mm
球阀过滤器 Ball valve strainer	有 Yes	无 No		
阀体材质 Material of valve body	黄铜 Brass			304 不锈钢 Stainless steel
手动排水功能 Manual function	有 Yes			
安装位置 Installation position	任意位置 Any			

防护等级 Protective class	IP65 (正 IP65 (装配后) After correct assembling)			
标准电压 Supply voltage options	24VAC/DC, 110VAC/DC, 220VAC 330VAC 50/60Hz 可选 Optional			
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H	94 * 94 * 130	46 * 94 * 110	50 * 96 * 110	50 * 96 * 106
产品净重 N.W.	820 g	555 g	600 g	600 g

Mic-drain 不锈钢型 Models of full stainless steel

				
产品型号 Product model	MIC-A-Cr	MIC-B-Cr	MIC-HP40-Cr	MIC-HP60-Cr
产品特点 Product features	不锈钢, 配有球阀过滤器 Stainless steel with ball valve strainer			高压型 High pressure
定时器时间调节范围 Timer cycle range (ON/OFF)	ON 0.5-10 Sec. / (OFF 0.5-10 Min. PF ON 0.5-10 Sec. / OFF 0.5-45 Min. 可选)			
工作压力 Rated working pressure	0-1.5 MPa		0-4.0 MPa	0-8.0 MPa
电磁阀排水能力 Discharge capacity	0.5MPa 下约 320 ml/s About 320 ml/s at 0.5MPa		4.0MPa 下约 125 ml/s About 125 ml/s at 4.0MPa	
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℃			
环境温度 Temperature of ambient	1-60℃			
过滤器入口/出口 Inlet/Outlet of ball valve strainer	入口 R1/2" - G1/4" 出口 1/2" Inlet R1/2" - G1/4" Outlet R1/2"			/
电磁阀入口/出口 Inlet/Outlet of solenoid valve	G1/2"		R1/2"	
排放阀类型 Type of discharge valve	直动 电磁阀 Direct acting solenoid valve			
电磁阀密封件 Seal for solenoid valve	氟橡胶 Viton			
电磁阀流量孔径 Valve orifice	4.5 mm		2.0 mm	2.0 mm

球阀过滤器 Ball valve strainer	有 Yes	有 Yes	无 No	
阀体材质 Material of valve body	304 不锈钢 Stainless steel			
手动排水功能 Manual function	有 Yes			
安装位置 Installation position	任意位置 Any			
防护等级 Protective class	IP65 (正 IP65 (装配后) After correct assembling)			
标准电压 Supply voltage options	24VAC/ DC, 110VAC/DC, 220VAC, 380VAC 50/60Hz 可选 Optional			
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H	97 * 94 * 126	133 * 94 * 132	97 * 94 * 127	46 * 94 * 110
产品净重 N.W.	790 g	790 g	790 g	550 g

Mic-drain 大流量 Models of big flow



产品型号 Product model	MIC-XL
产品特点 Product features	大流量 Big flow
定时器时间调节范围 Timer cycle range (ON/OFF)	ON 0.5-10 Sec. / OFF 0.5-10 Min. (ON: 0.5-10 Sec. / OFF 0.5-45 Min. 可选)
工作压力 Rated working pressure	0.01-2.0 MPa
0.5MPa 时电磁阀排水能力 Discharge capacity at 0.5MPa	大约 800ml/s About 800ml/s
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℃
环境温度 Temperature of ambient	1-60℃
过滤器入口/出口 Inlet/Outlet of ball valve strainer	入口 R1/2" = G1/4" 出口 R1/2" (其他螺纹可选) Inlet R1/2" = G1/4" Outlet R1/2" (Other threads optional)
电磁阀接口螺纹 Inlet/Outlet of solenoid valve	G1/2" (其他螺纹可选) (Other threads optional)
排放阀类型 Type of discharge valve	承压膜片式先导电磁阀 Diaphragm type pilot solenoid valve
电磁阀密封件 Seal for solenoid valve	氟橡胶 Viton
电磁阀流量孔径 Valve orifice	11 mm
球阀过滤器 Ball valve strainer	有 Yes
阀体材质 Material of valve body	黄铜 Brass
手动排水功能 Manual function	有 Yes
防护等级 Protective class	IP65 (正确装配后) IP65 (After correct assembling)

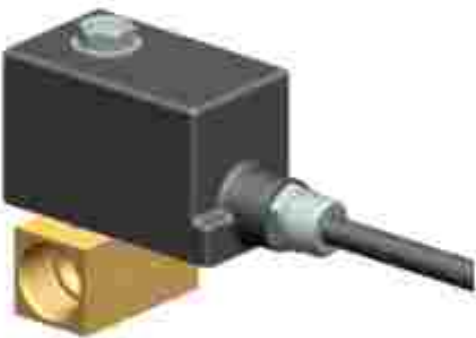
标准电压 Supply voltage options	24VAC/DC, 110VAC, 220VAC 50/60Hz 可选 Optional
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H	105 * 94 * 137
产品净重 N.W.	650 g

Mic-drain 加热型 Models of electrical heating

		
产品型号 Product model	MIC-H	MIC-H-40
产品特点 Product features	①加热阀, 防冰冻 ②双温控制器, 更安全 ①Heating valve, anti-icing ②Dual temperature controller, safer	
定时器时间调节范围 Timer cycle range (ON/OFF)	ON 0.5-10 Sec. / OFF 0.5-10 Min. (ON 0.5-10 Sec. / OFF 0.5-45 Min. 可选)	
工作压力 Rated working pressure	0-1.6 MPa	0-4.0 MPa
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℃	
环境温度 Temperature of ambient	-40~60℃	
过滤器入口/出口 Inlet/Outlet of ball valve strainer	入口 R1/2" + G1/4" Inlet R1/2" + G1/4"	出口 R1/2" Outlet R1/2"
电磁阀接口螺纹 Inlet/Outlet of solenoid valve	G1/2"	Rc1/2"
排水阀类型 Type of discharge valve	直动型电磁阀 Direct acting solenoid valve	
电磁阀密封件 Seal for solenoid valve	氟橡胶 Viton	
电磁阀流量孔径 Valve orifice	3.0 mm	2.0 mm
阀体材质 Material of valve body	黄铜 Brass	
球阀过滤器 Ball valve strainer	有 Yes	
手动排水功能 Manual function	有 Yes	
防护等级 Protective class	IP65 (正确装配后) IP65 (After correct assembling)	
电磁阀供电电压 Supply voltage of solenoid valve	24VAC/DC, 110VAC/DC, 220VAC, 380VAC 50/60Hz 可选 Optional	

加热系统额定电压和功率 Rated voltage and rated power	24V、110V、220V AC/DC 125W 可选 Optional
加热系统工作温度 Temperature controller	7℃ ~ 29.5℃ (±5℃)
加热系统限温温控 Temperature limiter	43℃ ~ 65℃ (±5℃)
电加热系统电源引出线长度 Length of outer wire of heating system	2.0 m
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H	145 * 94 * 132
产品净重 N.W.	1250 g

防爆电磁阀 Solenoid valves of explosion proof

	
产品型号 Product model	MIC-R-
产品特点 Product features	防爆电磁阀 Explosion-proof solenoid valve
防爆线圈 Explosion-proof coil	Ex mb IIC T4 Gb, Ex mb IIIC T130°C Db 防爆线圈预留电缆长度大于 1.5 米。产品安装使用时，引出导线的自由端应安装在与使用环境相适应的设备中。 The reserved cable length for explosion-proof coils should be greater than 1.5 meters. When installing and using the product, the free end of the lead wire should be installed in equipment that is suitable for the usage environment.
工作压力 Rated working pressure	最高 4.0MPa
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℃
环境温度 Temperature of ambient	1-50℃

电磁阀接口螺纹 Inlet/Outlet of solenoid valve	螺纹可选 Threads optional
排放阀类型 Type of discharge valve	直动型电磁阀 Direct acting solenoid valve
电磁阀密封件 Seal for solenoid valve	氟橡胶 Viton
防护等级 Protective class	IP65 (正确装配后) IP65 (After correct assembling)
标准电压 Supply voltage options	24VAC/DC, 110VAC, 220VAC 50Hz 可选 Optional

小型定时排水阀 Mini timer drain

	
产品型号 Product model	TD-H
产品特点 Product features	小尺寸，过滤器、医用空压机专用 Small size, Special for filters and medical compressors
定时器时间调节范围 Timer cycle range (ON/OFF)	ON: 2 Sec. OFF: 1 ~ 120 Min. 可调 Adjustable
工作压力 Rated working pressure	0-1.6 MPa
0.5MPa 时电磁阀排水能力 Discharge capacity at 0.5MPa	大约 55ml/s About 55ml/s
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℃
环境温度 Temperature of ambient	1-60℃
电磁阀接口螺纹 Inlet/Outlet of solenoid valve	G1/8"、G1/4" 可选 optional
排放阀类型 Type of discharge valve	直动型电磁阀 Direct acting solenoid valve

电磁阀密封件 Seal for solenoid valve	氟橡胶 Viton
电磁阀流量孔径 Valve orifice	2.0 mm
阀体材质 Material of valve body	黄铜 Brass
手动排水功能 Manual function	有 Yes
安装位置 Installation position	任意位置 Any
防护等级 Protective class	IP65 (正确装配后) IP65 (After correct assembling)
标准电压 Supply voltage options	24VAC/DC, 110VAC, 220VAC 50/60Hz 可选 Optional
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H	82 * 63 * 38
产品净重 N.W.	220 g

定时器 Timer

MIC TIMER、JDV TIMER 和 Timer Drain 是三种电磁阀专用定时器，实现电磁阀的定时通断。

Three types of timers specially for solenoid valve, MIC TIMER, JDV TIMER and Timer Drain, are used to achieve timed on/off of solenoid valves.

定时器参数 Data of timers

			
产品型号 Product model	MIC TIMER	JDV TIMER	Timer Drain
产品特点 Product features	模拟电路，旋钮调节时间 Analog circuit, time adjustment with knobs	数字电路，按键调节时间，LCD 显示 Digital circuit, time adjustment with button, LCD display	小尺寸定时器 Smaller timer
标准电压 Supply voltage options	10-30 VAC/DC, 24-240 VAC/DC, 360 VAC 50/60Hz	10-30 VAC/DC 100-240 VAC/DC	24-240 VAC/DC

定时器时间调节范围 Timer cycle range (ON/OFF)	ON: 0.5-10 Sec. / OFF: 0.5-10 Min. (ON: 0.5-10Sec. /OFF: 0.5-45Min. 可选)	ON: 0.5 - 99 Sec. OFF: 0.5 - 99 Min.	ON: 2 Sec. OFF: 1 - 120 Min.
电源连接方式 Electrical connection	DIN43650-A		DIN43650-B
环境温度 Ambient temperature	0 -60℃		
壳体材质 Material of housing	阻燃 ABS Flame retardant ABS		
手动测试功能 Manual function	有 Yes		
防护等级 Protective class	IP65 (正确装配后) IP65 (After correct assembling)		
认证 Certification	CE, UKCA		



Smart Drain

Electronic Zero Loss Drain

产品简介 Briefs

压缩空气系统在工作过程中会产生冷凝水，含有油污及颗粒杂质的冷凝水若不能及时排放，会严重影响气体品质，损害系统设备。

Smart Drain 是一种液位感应电子零气耗排水器，其采用液位传感器与单片机控制系统相配合，可根据冷凝水的实际产生量进行有效排放，只排水，不排气，避免压缩空气损失。

Smart Drain 采用创新的模块化结构设计，替代传统的老式结构。老式的粘连结构需要复杂的内部端子接线，工作中自身无法断电，传感器和排放阀的拆装非常繁复，而 Smart Drain 的模块化结构克服了这一系列弊端，使安装和维护更加便捷。

Smart Drain 的设计排放速度快，动作频率高，过载能力强。

Smart Drain 规格齐全，在排水量、工作压力、适用电压和产品材质等方面为用户提供广泛选择。

Smart Drain 经过压力试验、流量试验、杂质试验、电磁干扰试验、淋水试验和寿命试验六大考核而定型，确保了长寿命和高可靠性。

Condensate water will be produced in process of compressed air system. Quality of compressed air will be seriously affected if condensate containing oil and particle impurities can not be discharged in time.

Smart Drain is a kind of electronic zero air-loss drain. It adopts level sensor and CPU control system, which can effectively discharge condensate according to its actual amount. It drains only condensate water but not exhaust, so as to avoid loss of compressed air.

Smart Drain's innovative modular structure design replaces the traditional old structure. The old adhesive structure requires complex internal terminal wiring, and it cannot cut off power in itself during work. Disassembly and assembly of sensor and valve are very complicated. Modular structure of Smart Drain overcomes this series of disadvantages and makes installation and maintenance more convenient.

Smart Drain is designed with fast acting, high frequency and large overload capacity.

Smart Drain has complete specifications, providing users with a wide range of choices in terms of discharge volume, working pressure, applicable voltage and product materials, etc.

Smart Drain has been finalized through six tests: Pressure Test, Flow Test, Impurity Test, Electromagnetic interference Test, Water spraying Test and Life-time Test, ensuring long service life and high reliability.

产品特性 Features

创新的模块化结构，安装和维护更便捷

根据冷凝水产生量实时排放，零气耗

指示灯直观显示运行状态

滞排报警信号输出功能

半透明壳体，冷凝水变化过程可视

手动测试功能

多级过滤，无堵塞

超大水量、特殊电压、高压力型、全不锈钢型产品可选

寒冷地区可配加热棒防止冰冻

CE、UKCA 认证

Innovative modular structure, more convenient to install and maintain

Real-time discharge according to actual condensate amount, zero air-loss

LED shows running state

Output of alarm signal

Visible change of condensate with translucent housing

Manual test

Multiple stages of filtration, no blockage

Excessive volume, special voltage, high pressure; all stainless steel products are optional

Drain Heater can be used for anti-freezing

CE, UKCA certification

工作原理 Working principle

冷凝水从入水口流入储水罐，储水罐水位持续升高；当水位升到感应点时，传感器发出信号，电磁阀打开，开始排放冷凝水；当冷凝水快排完时，电磁阀自动关闭，残留少许冷凝水，形成水封；当排水器出现故障导致水位过高时，传感器实时感应，自动进入自洁排水模式，并可远程输出故障信号。

Condensate water flows into storage tank from inlet, and water level of the tank continues to rise; When water level rises to induction point, the sensor sends a signal and the solenoid valve opens to discharge condensate water;

Then condensate water is nearly exhausted, the solenoid valve will automatically close, leaving a small amount of condensate water, forming a water seal;

When drain valve fails and water level is too high, the sensor inducts by real-time, drain valve enters self-cleaning drainage mode automatically, and outputs alarm signal remotely.



Smart Drain 工作原理
Working principle of Smart Drain

Smart Drain 经济型 Economical model

	
产品型号 Product model	SD-220A
产品特点 Product features	①磁性能控制排水，零功耗 ②一体化设计，造型美观，经济性好 ③Magnetic trigger control ④Integrated design, w/lon housing, economical
应用设备 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	1-80 ℃
环境温度 Temperature of ambient	1-60℃（零下温度可选用加热膜附件） 1-80℃ (Heater is optional for sub-zero temperature)
入口尺寸 Inlet	1/2"（垂直入水口） Vertical inlet
出口尺寸 Outlet	Ø3 (1/4")
平衡气路接口 Port of air balance	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+增强尼龙 Aluminum + PA
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	无报警功能 No alarm
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H (mm)	124 * 60 * 122

产品净重 N.W.	0.8 kg
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Smart Drain 标准型 Standard models

		
产品型号 Product model	SD-200B	SD-300B
产品特点 Product Features	模块化结构, 体积小, 重量轻 Modular structure, small size and light weight	①结构经典, 功能齐全, 应用广泛, 垂直入口或 水平接入, 方便安装, 并可实现垂直入水和水平入 水的自由切换 ①Classic structure, full-featured, widely used ②Flange connection at the water inlet, convenient installation, and can freely switch between vertical and horizontal water entry
应用场合 Applications	小水量排液, 如过滤器、小型冷干机等 Small water volume, such as filters and small-size dryers	通用型, 如过滤器、分离器、储气罐、冷干机等 General purpose, such as spooler, separator, air tank, refrigeration dryer
工作压力 Working pressure	0~1.6 MPa	
最大排水量 Max. discharge volume	12 L/h	30 L/h
推荐适用空压机容量 Recommended compressor capacity	10 m³/min	20 m³/min
推荐适用冷干机容量 Recommended refrigeration dryer capacity	30 m³/min	60 m³/min
推荐适用过滤器容量 Recommended filter capacity	100 m³/min	220 m³/min
适用介质 Applicable media	水、含油冷凝水 Water, Oil-containing condensate	
介质温度 Temperature of medium	1~85 ℃	
环境温度 Temperature of ambient	1~60℃ (零下温度可选用加热型附件) 1~60℃ (Heater is optional for sub-zero temperature)	
入口尺寸 Inlet	1/2" (垂直入水口) Vertical inlet	3/4" 垂直入水和水平入水可自由切换 Free switch between vertical and horizontal water entry
出口尺寸 Outlet	DN3 (1/4")	
平衡气路接口 Port of air balance	无 No	1/4"
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)	
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	如图所示 As shown in pictures	
防护等级 Protective class	IP65	

标准电压 Supply voltage options	24V AC/DC, 12V AC, 220V AC		
报警功能 Alarm function	可同时提供N.O.(报警接通)和N.C.(报警断开)两种形式的常开常闭触点 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.		
报警标准负载 Load of alarm contacts	交流电最大负载62.5W, 直流电最大负载60W Max. 62.5W for alternating current, Max. 60W for direct current		
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H (mm)	95 * 73 * 124	135 * 74 * 125	
产品净重 Net weight	0.5 kg	1.2 kg	

				
产品型号 Product model	SD-400E		SD-800E	
产品特点 Product features	铝压铸一体化箱体, 经济性好 Aluminum die-casting integrated tank, economical			
应用场合 Applications	通用型, 空压机冷却器、分离器、储气罐、冷干机等 General purpose- such as cooler, separator, air tank, refrigeration dryer			
工作压力 Working pressure	0-0.3 MPa	0.3-1.6 MPa	0-0.3 MPa	0.3-1.6 MPa
对应工作压力的最大排水量 Max. discharge volume corresponding to working pressure	75 L/h	65 L/h	100 L/h	95 L/h
推荐适用空压机容量 Recommended compressor capacity	30 m³/min		150 m³/min	
推荐适用冷干机容量 Recommended refrigeration dryer capacity	100 m³/min		250 m³/min	
推荐适用过滤器容量 Recommended filter capacity	500 m³/min		1000 m³/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 ℃			
环境温度 Temperature of ambient	1-60 ℃ (零下温度可选用加热型附件) 1-60 ℃ (Drain Heater is optional for sub-zero temperature)			
入口尺寸 Inlet	G3/4" (G1/2"可选)			
出口尺寸 Outlet	G1" (G1/2")			
平衡回流接口 Port of air balance	G1/4"		G1/2"	
排放阀类型 Type of discharge valve	电磁阀 Solenoid valve			
过滤网 Strainer mesh	有 (内置滤网+外置滤网) Yes (Built-in mesh + external mesh)			
箱体壳体材质 Material of housing	铝 Aluminum			

手动排水功能 Manual function	有 Yes	
防护等级 Protective class	IP68	
标准电压 Supply voltage options	24V AC/DC, 110V AC, 220V AC	
报警功能 Alarm function	同时提供NO(报警接通)和NC(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)	177 * 110 * 147	207 * 110 * 147
产品净重 N.W.	2.1 kg	2.3 kg

				
产品型号 Product model	ED-1500E		ED-2500E	
产品特点 Product features	铝箱体 Aluminum housing			
应用场合 Applications	水量较大场合 Larger water volume		大水量 Large water volume	
工作压力 Working pressure	0-0.3 MPa	0.3-1.6 MPa	0-0.3 MPa	0.3-1.6 MPa
对应工作压力时的最大排水量 Max. discharge volume corresponding working pressure	200 L/h	240 L/h	400 L/h	560 L/h
推荐适用空压机容量 Recommended compressor capacity	200 m³/min		600 m³/min	
推荐适用冷干机容量 Recommended refrigeration dryer capacity	400 m³/min		/	
推荐适用过滤器容量 Recommended filter capacity	2000 m³/min		/	
适用介质 Applicable media	水、含油冷凝水 Water, Oil-containing condensate			
介质温度 Temperature of medium	1-80 ℃			
环境温度 Temperature of ambient	1-60℃（零下温度可选用30欧姆附件） 1-60℃ (Drain Heater is optional for sub-zero temperature)			
入口尺寸 Inlet	G3/4" (G1/2"可选)		G3/4"	
出口尺寸 Outlet	G1/2"			
平衡管路接口 Port of air balance	G1/2"		G1/4"	

排放阀类型 Type of discharge valve	电磁阀 Solenoid valve	
过滤网 Strainer mesh	有 (内置滤网+外置滤网) Yes (Built-in mesh + external mesh)	
泵腔壳体材质 Material of housing	铝 Aluminum	
手动排水功能 Manual function	有 Yes	
防护等级 Protective class	IP68	
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)	185 * 110 * 238	129 * 176 * 292
产品净重 N.W.	2.4 kg	1.9 kg

液位可视型 Models of visible level

				
产品型号 Product model	SD-400C		SD-800C	
产品特点 Product features	半透明复合材料罐体, 液位可视 Translucent composite housing, visible level			
应用场合 Applications	通用型, 如空压机冷却器、分离器、储气罐、冷干机等 General purpose, such as cooler, separator, air tank, refrigeration dryer			
工作压力 Working pressure	0-0.3 MPa	0.3-1.6 MPa	0-0.3 MPa	0.3-1.6 MPa
对应工作压力下的最大排水量 Max. discharge volume corresponding to working pressure	70 L/h	65 L/h	100 L/h	90 L/h
推荐适用空压机容量 Recommended compressor capacity	50 m³/min		100 m³/min	
推荐适用冷干机容量 Recommended refrigeration dryer capacity	100 m³/min		200 m³/min	
推荐适用过滤器容量 Recommended filter capacity	500 m³/min		1000 m³/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带附件) 1-60 °C (Heater is optional for sub-zero temperature)			
入口尺寸 Inlet	G2/4" (G1/2"可选)			
出口尺寸 Outlet	G1/2" (G1/2")			
平衡回降接口 Port of air balance	G1/2"			
排水阀类型 Type of discharge valve	电磁阀 Solenoid valve			
过滤器 Strainer mesh	有 (内置滤网+外置滤网) Yes (Built-in mesh + external mesh)			
罐体材质 Material of housing	铝+半透明复合材料 Aluminum + translucent composite			
手动排水功能 Manual function	有 Yes			
防护等级 Protective class	IP65			
供电电压 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)	197 * 110 * 143	186 * 110 * 173
产品重量 N.W.	2.6 kg	2.9 kg



产品型号 Product model	SD-1800C		SD-2600C	
产品特点 Product features	半透明复合材料箱体，液位可视 Translucent composite housing, visible level			
应用场合 Applications	水量较大场合 Larger water volume		大水量 Large water volume	
工作压力 Working pressure	0-0.3 MPa	0.3-1.6 MPa	0-0.3 MPa	0.3-1.6 MPa
对应工作压力时最大排水量 Max. discharge volume corresponding to working pressure	200 L/h	240 L/h	430 L/h	550 L/h
推荐适用空压机容量 Recommended compressor capacity	200 m³/min		600 m³/min	
推荐适用冷干机容量 Recommended refrigeration dryer capacity	400 m³/min		/	
推荐适用过滤器容量 Recommended filter capacity	2000 m³/min		/	
适用介质 Applicable media	水、含油冷凝水 Water, Oil-containing condensate			
介质温度 Temperature of medium	1-80 ℃			
环境温度 Temperature of ambient	1-60℃（零下温度可选用加热保护件） 1-60℃（Drain Heater is optional for sub-zero temperature）			
入口尺寸 Inlet	G3/4"（G1/2"可选）		G3/4"	
出口尺寸 Outlet	G1/2"			
平衡回路接口 Port of air balance	G1/2"		G3/4"	
排放阀类型 Type of discharge valve	电磁阀 Solenoid valve			
过滤器 Strainer mesh	有（内置滤网+外置滤网） Yes（Built-in mesh + external mesh）			
箱体壳材料 Material of housing	铝+半透明复合材料 Aluminum + Translucent composite			
手动排水功能 Manual function	有 Yes			
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 60 VA; 直流电最大负载 60W Max. 60 VA for alternating current, Max. 60W for direct current	
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H (mm)	186 * 110 * 225	229 * 176 * 293
产品净重 N.W.	2.2 kg	3.0 kg

全不锈钢 Models of full stainless steel

					
产品型号 Product model	SD-200	SD-400	SD-800		
产品特点 Product features	全不锈钢, 满足特殊要求 Stainless steel tank meeting special requirements				
应用场合 Applications	腐蚀性介质, 锂电行业等 Corrosive media, lithium battery industry, etc				
工作压力 Working pressure	0-1.6 MPa	0-0.3 MPa	0.3-1.6 MPa	0-0.3 MPa	0.3-1.6 MPa
对应工作压力的最大排水量 Max. discharge volume corresponding to working pressure	12 L/h	70 L/h	60 L/h	100 L/h	90 L/h
推荐适用空压机容量 Recommended compressor capacity	10 m³/min	50 m³/min		100 m³/min	
推荐适用冷干机容量 Recommended refrigeration dryer capacity	20 m³/min	100 m³/min		200 m³/min	
推荐适用过滤器容量 Recommended filter capacity	100 m³/min	500 m³/min		1000 m³/min	
适用介质 Applicable media	水、含油冷凝水 water, oil-containing condensate				
介质温度 Temperature of medium	1-80 ℃				
环境温度 Temperature of ambient	1-60℃ (零下温度可选用加热材料) 1-60℃ (Drain Heater is optional for sub-zero temperature)				
入口尺寸 Inlet	G1/2"				
出口尺寸 Outlet	G1/4"	G1/2"		G1/2"	
平衡气接口 Port of air balance	无 No	G1/4"		G1/2"	
排放阀类型 Type of discharge valve	电磁阀 Solenoid valve				
过滤网 Strainer mesh	有 (内置滤网+外置滤网) Yes (Built-in mesh + external mesh)				
壳体材质 Material of housing	304 不锈钢 Stainless steel				
手动排水功能 Manual function	有 Yes				

Smart Drain

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: 最大负载 63.6VA; 直流: 最大负载 60W Max. 63.6VA for a terminating current, Max. 60W for direct current		
外形尺寸 长*宽*高 (mm) Overall dimensions (L*W*H (mm))	142*74*147	172*110*147	202*110*147
产品净重 N.W.	1.4 kg	3.2 kg	3.6 kg

			
产品型号 Product model	SD-HP25	SD-HP30	SD-HP30
产品特点 Product Features	①高压型，全不锈钢 High pressure, full stainless steel ②外置滤网，易于清洗 External cleaning structure ③创新的 mesh easy 模块化结构 innovative modular		
应用场合 Applications	高压力场合 High pressure applications		
工作压力 Working pressure	0-2.5 MPa	0-3.0 MPa	0-3.0 MPa
最大排水量 Max. discharge volume	30 L/h	44 L/h	24 L/h
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		
入口尺寸 Inlet	G1/2"	G1/2"	Rc1/2"
出口尺寸 Outlet	G1/2"	G1/2"	G1/2"
平衡气接接口 Port of air balance	G1/4"	G1/4"	无 No
排放阀类型 Type of discharge valve	电磁阀 Solenoid valve		
过滤网 Strainer mesh	有（内置滤网+外置滤网） Yes (Built-in mesh + external mesh)	有（外置滤网） Yes (External mesh)	有（外置滤网） Yes (External mesh)
泵壳壳体材质 Material of housing	304 不锈钢 Stainless steel		
手动排水功能 Manual function	有 Yes		
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: 最大负载62.5VA, 直流电最大: 60W Max. 62.5VA for a recnating current, Max. 60W for Direct current		
外形尺寸: 长*宽*高 (mm) Overall dimensions L*W*H (mm)	172 * 110 * 147	161 * 102 * 137	151 * 92 * 137
产品净重 N.W.	2.2 kg	2.3 kg	2.3 kg

大流量

Models of large water volume

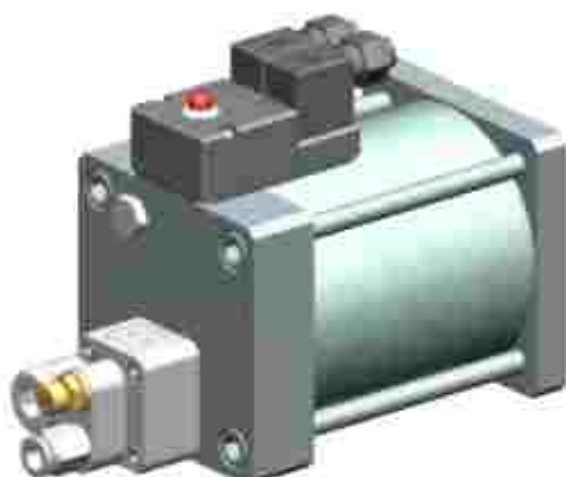
		
产品型号 Product model	SD-3000	
产品特点 Product features	大流量, 零气耗 Large water volume, zero air loss	
应用场合 Applications	大流量 Large water volume	
工作压力 Working pressure	0-0.3 MPa	0.3-0.8 MPa
对应工作压力的最大排水量 Max discharge volume corresponding to working pressure	900 L/h	900 L/h
适用介质 Applicable media	水、含油冷凝水 Water, Oil-containing condensate	
介质温度 Temperature of medium	1-60 ℃	
环境温度 Temperature of ambient	1-60 ℃	
入口尺寸 Inlet	R1"	
出口尺寸 Outlet	3/4"/2"	
平衡溢流接口 Port of air balance	G1/2"	
排放阀类型 Type of discharge valve	电磁阀 Solenoid valve	
过滤器 Strainer mesh	有(内置滤网) Yes (Internal mesh)	
容器壳体材质 Material of housing	304 不锈钢 Stainless steel	

手动排水功能 Manual function	有 Yes
防护等级 Protective class	IP68
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)	444 * 220 * 327
产品净重 Net Wt.	7.3 kg

				
产品型号 Product model	SD-3300		SD-4300	
产品特点 Product features	①适用于超大水量排放 Suitable for excessive water volume 双泵控制组件，一用一备，高可靠性 Two sets of control assembly, one for use and one for standby, high reliability ②液位可视 Visible water level			
应用场合 Applications	超大水量排放，如空分等 Excessive water volume, such as air separation			
工作压力 Working pressure	0.1-0.3 MPa	0.2-0.3 MPa	0.1-0.3 MPa	0.2-0.3 MPa
对应工作压力的最大排水量 Max discharge volume corresponding to working pressure	3000 L/h	3000 L/h	3000 L/h	3000 L/h
适用介质 Applicable media	冷凝水 Condensed water			
介质温度 Temperature of medium	1-85 ℃			
环境温度 Temperature of ambient	1-65 ℃			
入口尺寸 Inlet	R1"		R1-1/2"	
出口尺寸 Outlet	G1/4"		G1"	
平衡阀接口 Port of air balance	G1/2"			

Smart Drain

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)	
泵体材料 Material of housing	304 不锈钢 Stainless steel	
手动排水功能 Manual function	有 Yes	
防护等级 Protective class	IP65	
标准电压 Supply voltage options	24V AC/DC, 120V 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)	765 * 150 * 365	645 * 150 * 465
产品净重 N.W.	14.8 kg	22.8 kg



Mag-drain

Pneumatic Zero Loss Drain

产品简介 Briefs

压缩空气系统在工作过程中会产生冷凝水，含有油污及颗粒杂质的冷凝水若不能及时排放，会严重影响气体品质。

Mag-drain 是一种气动零气耗排水器，其可根据冷凝水的实际产生量进行有效排放，只排水，不排气，避免压缩空气损失。

Mag-drain 采用特殊设计的浮球，根据液位变化进行气动控制，通过气动排水主阀实现自动排水。

Mag-drain 采用半透明复合材料壳体，可观察冷凝水变化情况，非常人性化。

当仅用作压缩空气排水时，Mag-drain 气动排水器可在易燃、易爆等危险环境中使用。

Mag-drain 可提供高压力、超大水量等特型产品，实现进口产品替代，为用户提供广泛选择。

Mag-drain 系列气动排水器经过压力试验、流量试验、杂质试验和寿命试验四大考核而定型，确保了长寿命和高可靠性。

Condensate water will be produced in process of compressed air system. Quality of compressed air will be seriously affected if condensate containing oil and particle impurities can not be discharged in time.

Mag-drain is a kind of pneumatic zero air-loss drain. It can effectively discharge condensate according to its actual amount, only drainage, no exhaust.

Mag-drain realizes pneumatic control according to change of level by a specially designed magnetic float ball, and automatically discharges condensate through pneumatic main drain valve.

Mag-drain has a composite housing which is translucent, change of condensate is visible. This is user-friendly.

Mag-drain can be used in flammable, explosive and other dangerous environments when only used for compressed air drainage.

Mag-drain can provide special products of high pressure or excessive water volume, achieving substitution of imported products and providing users with a wide range of choices.

Mag-drain has been finalized through four tests: Pressure Test, Flow Test, Impurity Test and Life-time Test, ensuring long service life and high reliability.

产品特性 Features

无需通电

环境防爆

可用于户外

手动测试功能

根据冷凝水产生量实时排放，零气耗 排水阀孔径大，多级过滤，无堵塞半透明壳体，冷凝水变化过程可视 寒冷地区可配加热棒防止冰冻可提供高压力、超大水量等特型产品

CE、UKCA 认证带报警功能

No power required

Outdoor use

Real-time discharge according to actual condensate amount, zero air-loss

Visible change of condensate with translucent housing

Special products of high pressure or excessive water volume are available Stagnation alarm

Environmental explosion proof

Manual test

Large orifice, multiple stages of filtration, no blockage

Drain Heater can be used for anti-freezing

CE, UKCA certification

工作原理 Working principle

冷凝水从入水口流入储水罐，储水罐水位持续升高，浮球跟随浮起；当浮球浮起到一定高位时，控制阀使得排水主阀气缸泄气，主阀打开，进行排水；冷凝水排放过程中，储水罐水位持续下降，浮球跟随降落；当浮球降落到一定低位时，控制阀使得排水主阀气缸进气，主阀关闭，停止排水；储水罐中始终残留少量冷凝水，形成水封，无压缩空气损失。

Condensate water flows into water storage tank, water level continues to rise, and float ball rises up with it:

When float ball rises up to a certain high position, control valve makes cylinder to be deflated, the main drain valve opens for drainage:

In the process of condensate discharge, water level continues to drop, and float ball drops down with it:

When float ball drops down to a certain low position, control valve makes cylinder intake, the main drain valve closes and stop drainage:

A small amount of condensate water remains in water storage tank, forming water seal without loss of compressed air.



Mag-drain 工作原理
Working principle of Mag-drain

技术参数 Data sheet

		
产品型号 Product model	Mag-20	
产品特点 Product Features	零气耗 Zero air-loss 无需通 电 No power required	
应用场合 Applications	过滤器、冲干机、储气罐等 Filter, refrigeration dryer, air tank	
工作压力 Rated working pressure	0-1.0 MPa	0-1.6 MPa
极限排水量 Ultimate discharge volume	160 L/h (压力 0.3 MPa) 250 L/h (压力 0.8 MPa)	85 L/h (压力 0.3 MPa) 135 L/h (压力 0.8 MPa)
适用介质 Applicable media	较清冷凝水 Slightly clear condensate	
介质温度 Temperature of medium	1-60℃	
环境温度 Temperature of ambient	1-60℃ (零下温度可选用加热带附件) 1-60℃ (Drain Heater is optional for sub-zero temperature)	
入口尺寸 Inlet	43/4" (41/2"可选)	
出口尺寸 Outlet	Φ6 (41/4")	
平衡回路接口 Port of air balance	41/2"	
排放阀类型 Type of discharge valve	磁力阀 Magnetic valve	
过滤网 Strainer mesh	有 (外置滤网) Yes (External mesh)	
容器壳体材质 Materials of housing	铝 Aluminum	
手动排水功能 Manual function	有 Yes	

防护等级 Protective class	IP68
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H	129 * 110 *122
产品净重 N.W.	1.3 Kg

		
产品型号 Product model	Mag-20A	Mag-20B
产品特点 Product features	①零气耗 Zero air-loss ②无需通电 No power required ③半透明壳体可观察冷凝水变化 Visible condensate water	
应用场合 Applications	冷凝水 清的场合 Slightly clear condensate	
工作压力 Rated working pressure	0-1.3 MPa	
极限排水量 Ultimate discharge volume	85 L/h (压力 0.3 MPa) 压力 135 L/h (5 MPa)	
适用介质 Applicable media	较清 冷凝水 Slightly clear condensate	
介质温度 Temperature of medium	1-60℃	
环境温度 Temperature of ambient	1-60℃ (零下温度 可适用加热带附件) 1-60℃ (Drain Heater is optional for sub-zero temperature)	
入口尺寸 Inlet	G1/2"	G3/4" (G1/2"可选)
出口尺寸 Outlet	Φ8 (1/4")	
平衡回路接口 Port of air balance	G1/4"	
排液阀类型 Type of discharge valve	磁力阀 Magnetic valve	
过滤网 Strainer mesh	有 (内置滤网) Yes (Built-in mesh)	

壳体材质 Materials of housing	铝+半透明复合材料 Aluminum + translucent composite	
手动排水功能 Manual function	有 Yes	
防护等级 Protective class	IP65	
外形尺寸 长*宽*高 (mm) Overall dimensions L* W* H	132 * 110 * 126	180 * 110 * 110
产品净重 N.W.	1.8 Kg	2.1 Kg

		
产品型号 Product model	Mag-400	Mag-400AL
产品特点 Product features	这是一款特型产品，专门用于0-0.2MPa 低压力工况。 Specially for low pressure 0-0.2MPa.	
应用场合 Applications	冷凝水较清的场所 Slightly clear condensate	
工作压力 Working pressure	0-0.2 MPa	
极限排水量 Ultimate discharge volume	130 L/h (压力0.1 MPa) 190 L/h (压力0.2 MPa)	
适用介质 Applicable media	较清冷凝水 Slightly clear condensate	
介质温度 Temperature of medium	1-60℃	
环境温度 Temperature of ambient	1-60℃ (零下温度可选用加热带附件) 1-60℃ (Drain Heater is optional for sub-zero temperature)	
入口尺寸 Inlet	G3/4" G1/2"可选	
出口尺寸 Outlet	Φ10 (G1/4")	
平衡回路接口 Port of air balance	G1/4"	
排水阀类型 Type of discharge valve	磁力阀 Magnetic valve	

过滤网 Strainer mesh	有 (内置滤网) Yes (Built-in mesh)	
壳体材质 Materials of housing	铝+半透明复合材料 Aluminum + translucent composite	
手动排水功能 Manual function	有 Yes	
防护等级 Protective class	IP68	
报警功能 Alarm function	无	同时提供 NO (报警接通) 和 NC (报警断开) 两种形式的无源触点输出 Two kinds of alarm contacts of normally open (NO) (switch on when alarm) and normally closed (NC) (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 60 VA, 直流电最大负载 60W Max. 60 VA for alternating current, Max. 60W for direct current
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H	130 * 110 * 110	150 * 110 * 154
产品净重 N.W.	2.1 Kg	2.4 Kg

		
产品型号 Product model	Mag-800	Mag-800AL
产品特点 Product features	①控制气源取自系统自身的压缩空; 无需外接控制气源 ②半透明壳体可观察冷凝水变化 ③控制气源取自系统自身的压缩空; 无需外接控制气源 Control air is from the compressed air of the system itself. No need of external control air source. Visible condensate water	
应用场合 Applications	冷凝 (较清的情况) Slightly clear condensate	
工作压力 Working pressure	0.1~1.6 MPa	
极限排水量 Ultimate discharge volume	260 L/h (压力 0.3 MPa) 425 L/h (压力 0.8 MPa)	
适用介质 Applicable media	较清冷凝水 Slightly clear condensate	
介质温度 Temperature of medium	1~60℃	
环境温度 Temperature of ambient	1~60℃ (零下温度可选用加热带附件) 1~60℃ (Drain Heater is optional for sub-zero temperature)	

入口尺寸 Inlet	G3/4" (G1/2"可选)	
出口尺寸 Outlet	G10 (G1/4")	
平衡回路接口 Port of air balance	G1/4"	
排放阀类型 Type of discharge valve	气动阀 Pneumatic valve	
过滤网 Strainer mesh	有 (内置滤网) Yes (Built-in mesh)	
容器壳体材质 Materials of housing	铝-半透明复合材料 Aluminum + translucent composite	
手动排水功能 Manual function	有 Yes	
防护等级 Protective class	IP68	
报警功能 Alarm function	无	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	230 * 110 * 110	230 * 110 * 154
产品净重 N.W.	2.6 Kg	3.2 Kg

		
产品型号 Product model	Mag-1800	Mag-1800AL
产品特点 Product features	①控制气源取自系统自身的压缩空气, 无需外接控制气源 Control air is from the compressed air of the system itself. No need external control air source of ②半透明壳体可观察冷凝水变化 Visible condensate water	
应用场合 Applications	冷凝水较清の場合 Slightly clear condensate	
工作压力 Working pressure	0.2-1.6 MPa	
极限排水量 Ultimate discharge volume	520 L/h (压力 0.3 MPa) 力 550 L/h (压力 0.3 MPa)	

适用介质 Applicable media	较清冷凝水 Slightly clear condensate	
介质温度 Temperature of medium	1-60℃	
环境温度 Temperature of ambient	1-60℃ (零下温度「选用加热伴热件」) 1-60℃ (Drain Heater is optional for sub-zero temperature)	
入口尺寸 Inlet	G3/4" (G1/2"可选)	
出口尺寸 Outlet	Φ10 (G1/4")	
平衡回路接口 Port of air balance	G1/4"	
排放阀类型 Type of discharge valve	气动阀 Pneumatic valve	
过滤网 Strainer mesh	有 (内置滤网) Yes (Built-in mesh)	有 (内置滤网+外置滤网) Yes (Built-in mesh + external mesh)
壳体壳体材质 Materials of housing	铝+半透复合材料 Aluminum + translucent composite	
手动排水功能 Manual function	有 Yes	
防护等级 Protective class	IP65	
报警功能 Alarm function	无	同时提供NO (报警接通) 和NC (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	240 * 140 * 140	240 * 140 * 184
产品净重 N.W.	4.1 Kg	5.1 Kg

		
产品型号 Product model	Mag-1800 Pro	Mag-1800 Pro-AL

产品特点 Product features	①创新设计, 替代进口产品 Innovative design, replace imported products ②工作压力 0-0.3MPa, 外接控制气源, 系统压力为零时仍可排水; 工作压力 0.3-1.6MPa, 控制气源取自系统自身的压缩空气, 无需外接控制气源 Working pressure is 0-0.3 MPa, external control air source is needed, water can still be drained when the system pressure is zero. Working pressure is 0.3-1.6 MPa, control air source is taken from the compressed air of the system itself, No need external control air source.			
应用场合 Applications	超大水量且冷凝水较清场合, 如离心机、造平机等的冷却器 Excessive water volume, such as coolers of centrifuges, turbines			
工作压力 Working pressure	0-0.3 MPa	0.3-1.6 MPa	0-0.3 MPa	0.3-1.6 MPa
外接控制气源压力 Control air	0.4-0.5 MPa	/	0.4-0.5 MPa	/
极限排水量 Ultimate discharge volume	2000 L/h (压力 0.3 MPa) 5000 L/h (压力 0.5 MPa)			
适用介质 Applicable media	较清冷凝水 Slightly clear condensate			
介质温度 Temperature of medium	1-60℃			
环境温度 Temperature of ambient	1-60℃ (零下温度可选用加热带附件) 1-60℃ (Drain Heater is optional for sub-zero temperature)			
入口/出口尺寸 Inlet/outlet	入口 G3/4" 出口 G3/4" Inlet G3/4" Outlet G3/4"			
平衡回路接口 Port of air balance	G1/4"			
外接控制气源接口尺寸 Port of control air	G1/4"			
排放阀类型 Type of discharge valve	气动阀 Pneumatic valve			
过滤网 Strainer mesh	有 (内置滤网) Yes (Built-in mesh)			
容器壳体材质 Materials of housing	铝-半透明复合材料 Aluminum + translucent composite			
手动排水功能 Manual function	有 Yes			
防护等级 Protective class	IP68			
报警功能 Alarm function	无 同时提供 NO (报警接通) 和 NC (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	436 * 140 * 140		436 * 140 * 184	
产品净重 N.W.	7.5 Kg		8.0 Kg	

				
产品型号 Product model	Mag-2300 Pro		Mag-2300 Pro-AL	
产品特点 Product features	①创新设计, 替代进口产品 Innovative design, replace imported products ②工作压力 0-0.3MPa, 外接控制气源, 系统压力为零时仍可排水; 工作压力 0.3-1.6MPa, 控制气源取自系统自身的压缩空气, 无需外接控制气源 Working pressure is 0-0.3 MPa, external control air source is needed, water can still be drained when the system pressure is zero. Working pressure is 0.3-1.6 MPa, control air source is taken from the compressed air of the system itself, No need external control air source.			
应用场合 Applications	超大水量且冷凝水较清的情况, 如离心机、透平机等冷却器 Excessive water volume; such as coolers of centrifuges, turbines			
工作压力 Working pressure	0-0.3 MPa	0.3-1.6 MPa	0-0.3 MPa	0.3-1.6 MPa
外接控制气源压力 Control air	0.4-0.8 MPa	/	0.4-0.8 MPa	/
极限排水量 Ultimate discharge volume	4500 L/h (压力 0.3 MPa) 10000 L/h (压力 0.8 MPa)			
适用介质 Applicable media	较清冷凝水 Slightly clear condensate			
介质温度 Temperature of medium	1-60℃			
环境温度 Temperature of ambient	1-60℃ (零下温度可选用加热棒附件) 1-60℃ (Drain Heater is optional for sub-zero temperature)			
入口/出口尺寸 Inlet/outlet	入口 G1" 出口 G3/4" Inlet G1" Outlet G3/4"			
平衡回路接口 Port of air balance	G1/4"			
外接控制气源接口尺寸 Port of control air	G1/4"			
排放阀类型 Type of discharge valve	气动阀 Pneumatic valve			
过滤网 Strainer mesh	有 (内置滤网) Yes (Built-in mesh)			
容器壳体材质 Materials of housing	铝+半透明复合材料 Aluminum + translucent composite			
手动排水功能 Manual function	有 Yes			
防护等级 Protective class	IP68			
报警功能 Alarm function	无		同时提供 NO (报警接通) 和 NC (报警断开) 两种形式的无源触点输出 Two kinds of alarm contacts of normally open (NO) (switch on when alarm) and normally closed (NC) (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	532 * 176 * 176	532 * 176 * 220
产品净重 N.W.	13.5 Kg	14.0 Kg

		
产品型号 Product model	Mag-HF50	
产品特点 Product features	①高压力 High pressure ②零气耗 Zero air-loss ③需外接控制气源 External control air source required ④无需通电 No power required	
应用场合 Applications	高压力场合 High pressure application	
工作压力 Rated working pressure	0-3.0 MPa	
外接控制气源压力 Control air	0.5-0.8 MPa	
极限排水量 Ultimate discharge volume	430 L/h (压力 0.8 MPa) 550 L/h (压力 2.5 MPa) 670 L/h (压力 3.0 MPa)	
适用介质 Applicable media	较清冷凝水 Slightly clear condensate	
介质温度 Temperature of medium	1-60℃	
环境温度 Temperature of ambient	1-60℃ (零下温度可选用加热棒附件) 1-60℃ (Drain Heater is optional for sub-zero temperature)	
入口尺寸 Inlet	G1/2"	
出口尺寸 Outlet	G1/4"	
平衡回路接口 Port of air balance	G1/4"	
外接控制气源接口尺寸 Port of control air	G1/4"	
排放阀类型 Type of discharge valve	气动阀 Pneumatic valve	

过滤网 Strainer mesh	有 (外置滤网) Yes (External mesh)
容器壳体材质 Materials of housing	304 不锈钢 Stainless steel
手动排水功能 Manual function	有 Yes
防护等级 Protective class	IP68
外形尺寸 长*宽*高 (mm) Overall dimensions L* W * H	185 * 110 *110
产品净重 N.W.	6.5 Kg



空压排水器附件

Accessories of Drains

1、球阀过滤器 Ball Valve Strainers

球阀过滤器集手动球阀和过滤器于一体，安装在排水器的入水口，可隔离气源和阻挡粗大杂质。

Ball valve strainer combines ball valve and mesh strainer together, installed at the inlet of drains. It can not only cut off air source, but also block impurities in condensate water.

			
产品型号 Product model	GL03	GL10	GL12
产品特点 Product features	小巧紧凑，入口双螺纹 Compact, Dual thread of inlet	大尺寸，较大过滤网，入口双螺纹 Big size, bigger mesh, Dual thread of inlet	高压力 High pressure
应用场合 Application	电子定时排水阀 Timer drain		
工作压力 Pressure	1.6 MPa	1.6 MPa	4.0 MPa
入口尺寸 Inlet	R1/2" ~G1/4"	R1/2" ~G1/4"	R1/2" ~G1/4"
出口尺寸 Outlet	R1/2" (其他螺纹可选) (Other threads optional)	R1/2" (其他螺纹可选) (Other threads optional)	R1/2"
主体材质 Material of body	黄铜 Brass		
滤网材质 Mesh material	不锈钢 Stainless Steel		

外形尺寸 (mm) Overall dimensions	32.5 * 53.5 * 22	97 * 60 * 25	96.5 * 57.5 * 24.5
产品净重 N.W.	175 g	245 g	280 g
			
产品型号 Product model	9008a	9008B	9009
产品特点 Product features	零气耗排水器专用 Special for zero loss drain	①零气耗排水器专用 ②配有活动接头, 方便安装 ①Special for zero loss drain ②Matched with movable joint, easy installation	①零气耗排水器专用 ②大滤网 ③Special for zero loss drain ③Bigger mesh
应用场合 Application	零气耗排水器专用, 装在入水口 Special for zero loss drain, mounted at inlet		
工作压力 Working pressure	0-2.5 MPa	0-1.6 MPa	0-1.6 MPa
入口尺寸 Inlet	1/2"	1/2"	1/2"
出口尺寸 Outlet	1/2"	1/2"	1/2"
主体材质 Material of body	黄铜 Brass	黄铜 Brass	黄铜 Brass
滤网材质 Mesh material	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H (mm)	110 * 31 * 74	146 * 31 * 74	107 * 44 * 87
产品净重 N.W.	0.38 Kg	0.48 Kg	560 g

全不锈钢球阀过滤器 Full stainless steel

			
产品型号 Product model	9010 Cr	9011 Cr	9011A-Cr
产品特点 Product features	L型紧凑型, 不锈钢材质 L-type, stainless steel	直线紧凑型, 不锈钢材质 Line-type, stainless steel	①不锈钢材质 ②高压 ①Stainless steel ②High pressure
应用场合 Application	电子定时排水阀 Timer drain		零气耗排水器 Zero loss drain
工作压力 Pressure	5.0 MPa	5.0 MPa	5.0 MPa

入口尺寸 Inlet	R1/2" ~G1/4"	R1/2" ~G1/4"	R1/2" ~G1/4"
出口尺寸 Outlet	R1/2"	R1/2"	R1/2"
主体材质/手柄材质 Material of body/handle	304 不锈钢/尼龙 Stainless steel/PA		
滤网材质 Mesh material	304 不锈钢 Stainless steel		
外形尺寸 长*宽*高 (mm) Overall dimensions L*W*H (mm)	97 * 60 * 25	97 * 60 * 25	116 * 60 * 25
产品净重 N.W.	240 g	240 g	300 g

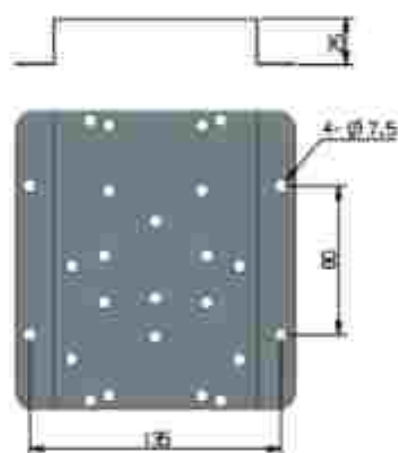
2、手动球阀 Ball valve

			
产品型号 Product model	9010	9010A	FW15
产品特点 Product features	① 零气耗排水器专用 ② 配有活动接头，方便安装 ③ Special for zero loss drain ④ Matched with movable joint, easy installation	零气耗排水器专用 Special for zero loss drain	小巧的专用球阀 Compact specialized ball valve
应用场合 Application	零气耗排水器专用，装在入口 Special for zero loss drain, mounted at inlet		装在零气耗排水器侧下部的备用接口，用于日常排放罐体内杂质 mounted at spare port at the lower part of zero loss drain for daily discharge of impurities inside the tank.
工作压力 Working pressure	0-1.6 MPa	0-1.6 MPa	0-1.6 MPa
入口尺寸 Inlet	G2/4"	G3/4"	R1/2"
出口尺寸 Outlet	G2/4"	G3/4"	G1/2"
主体材质 Material of body	黄铜 Brass	黄铜 Brass	黄铜 Brass
外形尺寸 长*宽*高 Overall dimensions L*W*H (mm)	156 * 44 * 64	116 * 38 * 64	53 * 24 * 53
产品净重 N.W.	500 g	300 g	80 g

3、零气耗排水器安装支架 Mounting Bracket

安装支架可以很方便的将排水器固定在机器内部或者地面上。

Mounting bracket can conveniently fix zero loss drain onto machine or ground.



4、外置加热棒 External Drain Heater

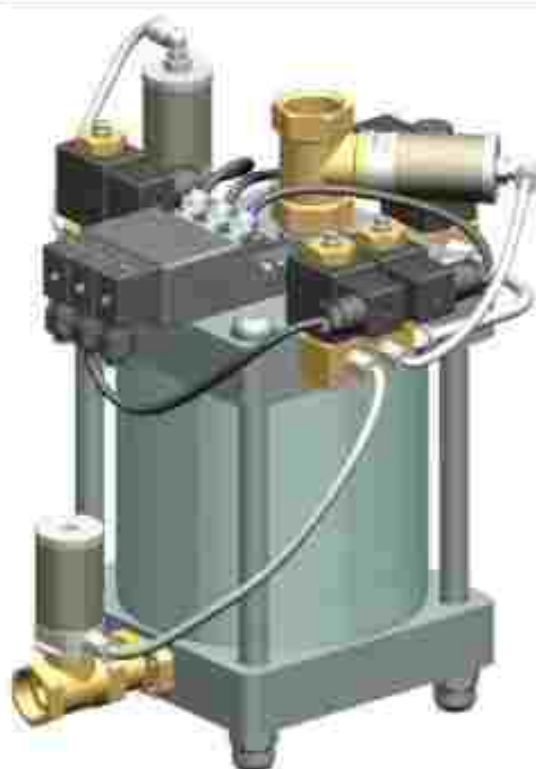
寒冷地区可配加热棒，低温时自动加热，适温时自动停止，防止排水器中的冷凝水结冰。

A Drain Heater is used in cold areas. It heats at low temperature automatically and stops heating at appropriate temperature to prevent condensate water from freezing.



产品型号 Product model	DN15
额定电压和功率 Rated voltage and rated power	24V、115V、230V AC/DC 125W 可选 Optional
接口尺寸 Thread size	1/2"
工作温控 Temperature controller	7℃ ~ 29.5℃ (±5℃)
限温温控 Temperature limiter	48℃ ~ 65℃ (±5℃)
环境温度 Applicable temperature	-25℃ ~ +5℃
壳体材质 Housing material	黄铜 Brass
电线长度 Cable length	2.0 m
产品重量 N.W.	0.55 Kg

接线方式 Connection mode	交流电: 棕色线接火线 (L), 蓝色线接零线 (N), 黄绿双色线接地。 Alternating current: Brown wire is connected to live line (L) Blue wire is connected to neutral line (N) Yellow-green double color wire is connected to ground 直流电: 棕色线接正极 (+), 蓝色线接负极 (-)。 Direct current: Brown wire is connected to positive (+) Blue wire is connected to negative (-)
外形尺寸 Overall dimension	



Vac-drain

真空排水器

Vacuum Drain

产品简介 Briefs

真空系统在运行过程中会有水，如不及时排出，会降低真空度，增加电耗，损坏真空泵。

Vac-drain 是一种专门用于真空系统排水的智能排水器，其采用液位传感器、单片机控制和气动控制系统相配合，实现真空系统运行中的在线自动排水，适用于真空系统气/水分离器、冷凝器、真空罐、真空管路积液处等的排水。

Vac-drain 采用模块化结构，集成度高，体积小，不占空间。

Vac-drain 采用压缩空气助力排水，动作频率高，排放速度快。

Vac-drain 真空排水器经过真空试验、流量试验、杂质试验、电磁干扰试验、淋水试验和寿命试验六大考核而定型，确保了长寿命和高可靠性。

Water will occurs during the operation of vacuum system. If water is not discharged in time, it will reduce vacuum degree, increase energy consumption and damage vacuum pump.

Vac-drain is a kind of intelligent drain valve specially used for drainage of vacuum system. It adopts level sensor, CPU controller and pneumatic controlling system to realize online drainage in the operation of vacuum system. It is suitable for drainage of air/water separator, condenser, vacuum tank, liquid accumulating place of vacuum pipeline, etc.

Vac-drain has modular structure, high integration, small volume and does not occupy a wide space.

Vac-drain uses compressed air as power to drain water, which can realize high acting frequency and quick discharge.

Vac-drain has been finalized through six tests: Vacuum Test, Flow Test, Impurity test, Electromagnetic interference Test, Water spraying Test and Life-time Test, ensuring long service life and high reliability.

产品特性 Features

真空系统运行中在线排水液位感应，智能控制

采用压缩空气动力，排放迅速
手动测试功能带报警功能液
位可视

模块化结构，体积小，不占空间
寒冷地区可配加热棒防止冰冻

On line drainage when vacuum
system operating

Level sensing, intelligent control

Quick discharge by compressed air

Manual test

Alarm function

Visible level

Modular structure, small volume, no wide space occupied

Drain Heater for anti-freezing

工作原理 Working principle

真空系统的水流入排水器的储水罐，水位持续升高；当水位升高到传感器感应点时，控制器发出信号，进水阀和平衡阀关闭，储水罐与真空系统隔离；随

后进气电磁阀和排水阀打开，外部压缩空气进入储水罐，开始排水；水和残余压缩空气排尽后，排水阀关闭，平衡阀打开，排水器罐体预抽真空，随后进水阀打开，储水罐与真空系统接通，排水器进入下轮工作循环。

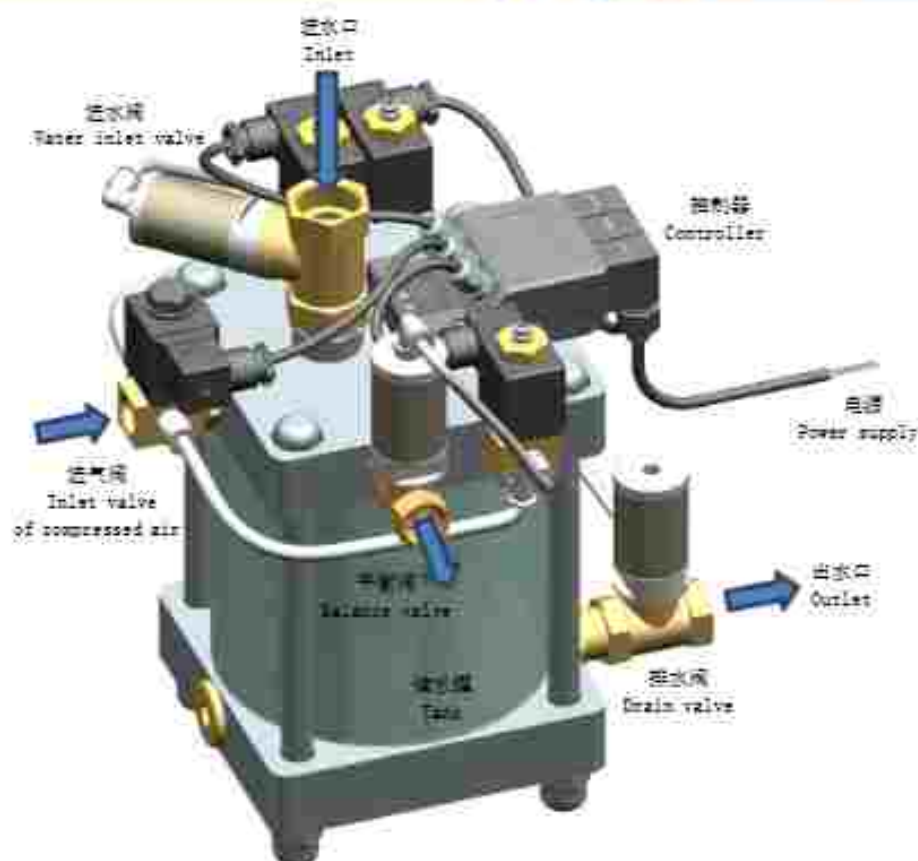
平衡阀通过管路和真空容器上部连接，用于平衡气压，主要作用是进水阀打开前预抽真空和进水阀打开后保持进水顺畅。

Water from vacuum system flows into water storage tank of vacuum drain, and level continues to rise;

When level rises to sensing point of the sensor, controller sends a signal, both of water inlet valve and balance valve are closed, water storage tank is isolated from the vacuum system ; And then inlet valve of compressed air and drain valve are opened, external compressed air enters water storage tank to start drainage.

When water and residual compressed air are exhausted, drain valve is closed, balance valve is opened, tank of vacuum drain is pre-vacuumized, then water inlet valve is opened, water storage tank is connected with vacuum system, and the drainer begins to enter the next working cycle.

Balance valve is connected to the upper part of the vacuum container through balance pipe to balance air pressure. Its main function is to pre-vacuuming before water inlet valve is opened and keep smooth inflow of water after water inlet valve is opened.



Vac-drain 工作原理
Working principle of Vac-drain

技术参数 Data sheet

			
产品型号 Product model	VD-800C	VD-1800C	VD-2800C
产品特点 Product features	半透明复合材料罐体，液位可视 Translucent composite housing, visible level		
应用场合 Applications	气/水分 器、冷凝器、真空罐、真空管路积液处等 Air/water separator, condenser, vacuum tank, liquid accumulating places of vacuum pipeline		
最大排水量 Max. discharge volume	40 L/h	80 L/h	160 L/h
工作压力 Working pressure	0.1-1.3 bar (绝对压力) 0.1-1.3 bar (Absolute pressure)		

外接控制气源压力 Control air	0.5-0.8 Mpa		
适用介质 Applicable media	水 Water		
介质温度 Temperature of media	1-60℃ (零下温度可选用加热 附件) 1-60℃ (Drain Heater is optional for sub-zero temperature)		
入口尺寸 Inlet	G3/4"	G3/4"	G1"
出口尺寸 Outlet	G3/4"	G3/4"	G3/4"
平衡管接口尺寸 Port of balance pipe	G1/2"	G1/2"	G1/2"
排水阀门类型 Type of discharge valve	气动阀 Pneumatic valve		
容器壳体材质 Material of water storage tank	半透明复合材料 Translucent composite		
手动测试 Manual test	有 Yes		
防护等级 Protective class	IP65		
供电电压 Supply voltage	220 VAC		
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 1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 Overall dimensions L*W*H (mm)	230 * 210 * 215	230 * 210 * 280	300 * 285 * 345
产品净重 N.W	5.1 kg	5.4 kg	10.9 kg

			
产品型号 Product model	VD-3000	VD-3800	VD-4300
产品特点 Product features	结构紧凑、大水量排放 Compact structure, large water discharge		

应用场合 Applications:	大水量 Large water volume		
最大排水量 Max. discharge volume	250 L/h	500 L/h	1000 L/h
工作压力 Working pressure	0.1-1.6 bar (绝对压力) 0.1-1.6 bar (Absolute pressure)		
外接控制气源压力 Control air	0.5-0.8 Mpa		
适用介质 Applicable media	水 Water		
介质温度 Temperature of media	1-60℃ (零下温度可选用加热棒 1 件) 1-60℃ (Drain Heater is optional for sub-zero temperature)		
入口尺寸 Inlet	G1"	G1-1/4"	G1-1/2"
出口尺寸 Outlet	G3/4"	G1"	G1"
平衡管接口尺寸 Port of balance pipe	G1/2"	G1/2"	G1/2"
排水阀门类型 Type of discharge valve	气动阀 Pneumatic valve		
容器壳体材质 Material of water storage tank	304 不锈钢 Stainless steel		
手动测试 Manual test	有 Yes		
防护等级 Protective class	IP65		
供电电压 Supply voltage	220 VAC		
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 alarm contacts	交流电 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 Overall dimensions L*W*H (mm)	532 * 219 * 362	800 * 250 * 410	950 * 350 * 510
产品净重 N.W	15 kg	18.5 kg	28.5 kg



U-Separator

冷凝水油水分离器

Oil Water Separator

产品简介 Briefs

空压系统冷凝水含有油和空气中的污染物，是污染环境的有害物质，不可直接排放，必须进行净化处理。

若长期直接排放含有废油的冷凝水，将导致土壤退化，植物死亡，水源污染，因此空压系统冷凝水已被列为工业危险废弃物，各国环保法规均明文禁止未经处理的空压机冷凝水直接排放。

U-separator 油水分离器采用三级过滤的方法，滤芯只吸油不吸水，适合净化间歇性的小股含油废水，专门用于净化空压系统冷凝水，使排放的冷凝水符合环保要求。

Condensate water of compressed-air system contains oil and pollutants in the air, which are harmful to environment. It can not be discharged directly and must be purified.

Long-term discharge of condensate containing waste oil will lead to soil degradation, plant death and water source pollution. Condensate from compressed-air system has been classified as industrial hazardous waste, environmental regulations of various countries clearly prohibit untreated condensate to be discharged directly.

U-separator oil water separator adopts a three-stage filtration, with the filtration elements only absorbing oil and not water. Which is suitable for purifying intermittent small streams of oily wastewater, and specifically used to purify condensate water from compressed-air system, so that condensate discharge meets requirements of environmental regulations.

产品特性 Features

紧凑的一体化结构 滤芯指示杆，直观显示滤芯寿命选型简单 漫溢指示杆，显示堵塞状况
可分离各种空压机润滑油 日常检测油的残留 PPM 值安装方便，接拔即用 PE 外壳，坚固耐腐蚀
滤芯更换方便，易维护

Compact integrated structure

Simple model selection

Separating all kinds of air compressor lubricants

Easy installation

Easy elements replacement and maintenance

Blue indicator displays life of elements

Red indicator displays overflow status when blocked

Daily test of residual PPM value of oil

PE housing, sturdy and corrosion-resistant

工作原理 Working Principle

冷凝水流入减压舱，减压棉过滤部分颗粒状杂质，并释压冷凝水；冷凝水流入1号桶，1号白滤芯（1号吸油滤芯）吸收冷凝水中大部分的油；含少量油的冷凝水流入2号桶，2号白滤芯（2号吸油滤芯）吸收冷凝水中剩余的油；被除油后的冷凝水经过黑滤芯（活性炭滤芯）过滤，吸附残留的烃类化合物；除油干净的冷凝水符合环保要求，可以直接排放；滤芯指示杆（蓝色）直观显示滤芯寿命，指示杆下沉到底说明滤芯将要吸满油，需更换。

Condensate water flows into depressurization chamber, depressurization foam filters some granular impurities and makes condensate water depressurized;

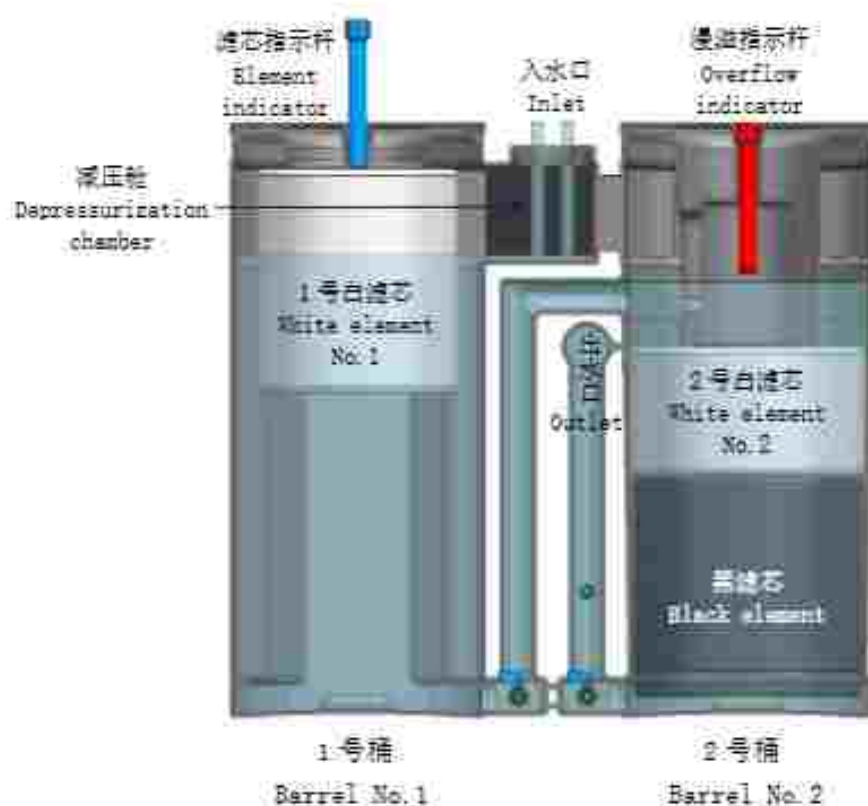
Condensate enters barrel No.1, and white element No.1 (oil absorption element No.1) absorbs most of the oil in condensate;

Condensate with a small amount of oil enters barrel No.2, and white element No.2 (oil absorption element No.2) absorbs remaining oil in condensate;

Condensate after oil removing is filtered by black element (activated carbon element) to adsorb residual hydrocarbon compounds;

Clean condensate can be discharged directly;

Element indicator (blue) visually displays life of elements, indicator sinking to the end means that the elements absorb oil almost fully which need to be replaced.



工作原理
Working Principle

技术参数 Data sheet

			
产品型号 Product model	U2	U5	U10
最大适用空压机容量 (8 小时工作制) Max. compressor capacity (Based on a 8 hour shift)	2 m ³ /min	5 m ³ /min	10 m ³ /min
最大吸油量 Max. oil absorption	1.96 L	4.9 L	9.8 L
入口尺寸 Inlet	ø1/2" x1	ø1/2" x2	ø1/2" x2
出口尺寸 Outlet	ø1/2"	ø 1"	ø 1"
取样阀 Test valve	有 Yes	有 Yes	有 Yes
检测瓶 Sample bottle	有 Yes	有 Yes	有 Yes
维护用放水阀 Service drain valves	无 No	有 Yes	有 Yes
滤芯指示杆 Element indicator	无 No	有 Yes	有 Yes
漫溢指示杆 Overflow indicator	无 No	有 Yes	有 Yes
排水口油分子残留量 Target output value	<10 PPM	<10 PPM	<10 PPM
壳体材料 Material of housing	PE	PE	PE
外形尺寸:长*宽*高(mm) Overall dimensions L*W*H	375 * 153 * 265	555 * 195 * 610	655 * 245 * 730
产品净重 N.W.	4.4 kg	11 kg	20 kg
服务包型号 Service kit model	Kit 2	Kit 5	Kit 10

服务包组成 Service kit composition	1号桶: 白滤芯×1 2号桶: 黑滤芯×1 Barrel No.1: White element ×1 Barrel No.2: Black element ×1	1号桶: 白滤芯×1 2号桶: 白滤芯×1+黑滤芯×1 Barrel No.1: White element ×1 Barrel No.2: White element ×1 Black element ×1	1号桶: 白滤芯×1 2号桶: 白滤芯×1+黑滤芯×1 Barrel No.1: White element ×1 Barrel No.2: White element ×1 Black element ×1
服务包净重、毛重 NW/GW of service kit	1.4/1.3 Kg	3.0/3.5 Kg	5.8/6.6 Kg

			
产品型号 Product model	U20	U30	U60
最大适用空压机容量 (8小时工作制) Max. compressor capacity (Based on a 8 hour shift)	20 m ³ /min	30 m ³ /min	60 m ³ /min
最大吸油量 Max. oil absorption	14.6 L	24.6 L	49.2 L
入口尺寸 Inlet	61/2"×2	61/2"×2	61/2"×2
出口尺寸 Outlet	G 1"	G 1"	G 1"
取样阀 Test valve	有 Yes	有 Yes	有 Yes
检测瓶 Sample bottle	有 Yes	有 Yes	有 Yes
维护用放水阀 Service drain valves	有 Yes	有 Yes	有 Yes
滤芯指示杆 Element indicator	有 Yes	有 Yes	有 Yes
漫溢指示杆 Overflow indicator	有 Yes	有 Yes	有 Yes
排水口油分子残留量 Target output value	<10 PPM	<10 PPM	<10 PPM
壳体材料 Material of housing	PE	PE	PE

外形尺寸 长*宽*高(mm) Overall dimensions L*W*H	785 * 310 * 900	975 * 385 * 900	1155 * 475 * 1045
产品净重 N.W.	30 kg	47 kg	85 kg
服务包型号 Service kit model	Kit 20	Kit 30	Kit 60
服务包组成 Service kit composition	1号桶: 白滤芯*1 2号桶: 白滤芯*1+黑滤芯*1 Barrel No.1: White element *1 Barrel No.2: White element *1 Black element *1	1号桶: 白滤芯*1 2号桶: 白滤芯*1+黑滤芯*1 Barrel No.1: White element *1 Barrel No.2: White element *1 Black element *1	1号桶: 白滤芯*1 2号桶: 白滤芯*1+黑滤芯*2 Barrel No.1: White element *1 Barrel No.2: White element *1 Black element *2
服务包净重、毛重 NW/GW of service kit	12.1/13.2 Kg	20.7/22.3 Kg	42.2/46 Kg