

樣品承認書

Samples Specification Approval Authorization

客 戶

Customer _____

認 可 編 号

Approval No. _____

客 戶 料 号

Customer P/N _____

时 光 料 号

Skoocom P/N _____

产 品 类 型

DC3.7V Exhaust Valve

Model No. _____

日 期

Date _____

版 本

A0

Version

客戶承認用印栏

Customer Approved Signatures

Approved	Checked	Evaluated

Please Return One Copy With Your Approved Signatures

SPECIFICATION FOR APPROVAL

Customer Name :

Customer P/N:

Part Name :

P/N: 102011014

1.适用范围 Application:

本规格书适用于电磁泄气阀 SC0411G/DC3.7V 之用。

2.测试环境 Test environment:

- 2.1 测试环境温度湿度：周围温度 20℃，相对湿度 65%RH 为标准。如无争议发生可以在下述环境测试：周围温度 5—30℃，相对湿度 40—85%RH

The standard temperature and humidity of test environment is the ambient temperature of 20℃ and relative humidity of 65% RH. If no disputes occur, the test can be conducted under the below circumstance: the ambient temperature of 5-30℃ and relative humidity of 40~85% RH.

- 2.2 测试姿势 position:

水平 Horizontal

- 2.3 负载 Load:

气压 -60kpa~-70kpa

3. 模式 Type:

常闭式 Normally Closed Type

4. 额定条件 Rated condition:

- 4.1 定格电压 Rated voltage:

DC 3.7V

- 4.2 使用电压范围 Operate voltage range:

DC 3.2V~4.7V

- 4.3 定格电流 Rated current:

mA±10%

- 4.4 直流电阻 DC Resistance:

13.5Ω±10% (Ambient temperature of 25℃)

- 4.5 额定功率 Rated power consumption :

1.02W±10%

- 4.6 使用压力范围 Range of operated pressure:

Max -70kpa

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<p>4.7 常用压力 Common pressure: -60kpa</p> <p>4.8 使用温度范围 Range of operated temperature: 0~45℃</p> <p>4.9 保存温度范围 Range of preservation temperature: -25~60℃</p> <p>4.10 绝缘等级 Insulated grade: A</p> <p>4.11 使用流体 Used fluid: Air</p> <p>5.性能 Characteristic:</p> <p>5.1 最低动作电压 The minimum value of operated voltage: DC 3.2V</p> <p>5.2 漏气 Leakage: 铁头进气, 在 100CC 容器中压力-60~-70kpa 时, 测试漏气量小于 3.0mmHg/Min.</p> <p>When the pressure of rubber head is -60~-70kpa in 100 CC vessel, the test leakage is less than 3.0 mmHg/Min.</p> <p>5.3 排气速度 Exhaust speed: 铁头进气, 通电 DC3.2V 在 100CC 容器从-60kpa 至-5kpa 所需时间 4 秒以下。</p> <p>It takes less than 4 seconds for DC 3.2V to be energized in 100CC container from -60kpa to -5kpa with iron intake.</p> <p>5.4 温升 Temperature rise: 通电 DC 3.7V ON1S,OFF1S 至温度饱和后 50K MAX DC 3.7V ON1S,OFF1S and 50KMAX after temperature saturation</p>				
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5.5 绝缘阻抗 Insulation resistance:

在常温常湿环境下测试，在线圈与金属间通过 DC 500V 绝缘阻抗 50MΩ。

Normal temperature, Normal Humidity using DC500 V between coil and non-charge metal,the insulated resistance shall be 50 MΩ.

5.6 耐电压 Dielectric voltage:

AC 500V, 1mA 在线圈与金属间测试一分钟无击穿，或可用 AC 600V 一秒钟测试

Connecting with AC 500V(50/60Hz)at 1mA for one minute,if the coil and non-charge metal are not passing through,then one seconds later,AC 600V is adoptable to the valve

5.7 引线强度 The lead tension:

以 0.5 公斤砝码与引线负载 1 分钟无异常

No abnormality occurs when a 0.5Kg static is hanging in the parallel direction of the lead wire for one minute.

6. 信赖性试验 Reliability examination:

6.1 低温特性 Low-temperature characteristic:

放置在 0℃ 经 5 小时后，再取出置于常温按 5.1,5.2,.5.3,5.4,5.5,测试无异常。

Under a temperature of 0℃ for 5 hours,then examining the valve by test 5.1, 5.2,5.3,5.4,5.5,and finding out it still perform well.

6.2 高温特性 High-temperature characteristic:

在 45℃ 经 5 小时放置后，再取出置于常温按 5.1,5.2,5.3,5.4,5.5,测试无异常。

Under a temperature of 45℃ for 5 hours,then examining the valve by test 5.1, 5.2,5.3,5.4,5.5,and finding out it still perform well.

6.3 高温高湿 High-temperature & High humidity:

在温度 50℃，湿度 90% 环境中 48 小时取出置于常温中 2 小时按 5.1,5.2,5.3,5.4,5.5 测试无异常。

Putting the valve in the temperature at 50℃ and the humidity at 90%for 48 hours; then taking it out and putting it in a room temperature for two hours.then examining the valve by test 5.1,5.2,5.3,5.4,5.5,and finding out it still perform well.

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6.4 跌落试验 Fall test

使用标准的包装方式，在水泥地面上将其从 50CM 的高度分别从正面、侧面、边角自由落下其性能及结构无异常。

Basic performance and the structure shall not be defected ater following test: With a standard packaging conditions, the dropping it at the front, side, and edges part from 50cm height to the concrete floor

6.5 异常试验 Unusual test

用 DC 3.7V 连续通电 1 小时无燃烧、冒烟现象。

There is no burning and smoking occurrence while the power is on with DC3.7V for 1 hours continuously.

6.6 寿命 Life:

装入电磁阀寿命测试仪中测试 100,000 次以后经过 4-4, 5-1,5-2,5-3,5-4,5-5 无异常。

注：测试寿命每次周期为 3.7V 直流电压通电 5s（用 100cc 容器充气压力从 0-200mmhg），断电 5s 为一个周期。

Putting the valve into the Valve Life Testing Jig，performing the operation for 200,000 times,then the valve still functions well by running through the following test:4-4;5-1;5-2;5-3;5-4;5-5。

Note：the cycle life testing is on 5s（Pressurizing from 0 till 200mmHg in a 100CC tank），off 5s with DC 3.7V

7.结构 Structure:

7.1 外观 Appearance:

产品不能有破损，脏污

The appearances of the valve shall not contain cracks and impurities,which will decrease the value of the goods.

7.2 外型尺寸 Shape and Dimension:

如图 SC0411G

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8. 标签 Marking label

Part name _____→

Rated voltage _____→

Manufacturer name _____→

Date _____→

9. 材料表 material list

序号	项目	材料
1	Nozzle 风嘴	Steel
2	Bobbin 骨架	Plastic 130℃
3	Wire 漆包线	2-uew 130℃
4	Spring 弹簧	Spring Steel
5	Washer 华司	Rubber
6	Plunger 可动芯	Stell deepness
7	Tape 胶带	Mylar Tape 130℃
8	Frame 铁框	Cold Steel
9	PVC Wire 引线	UL 1571 28# black

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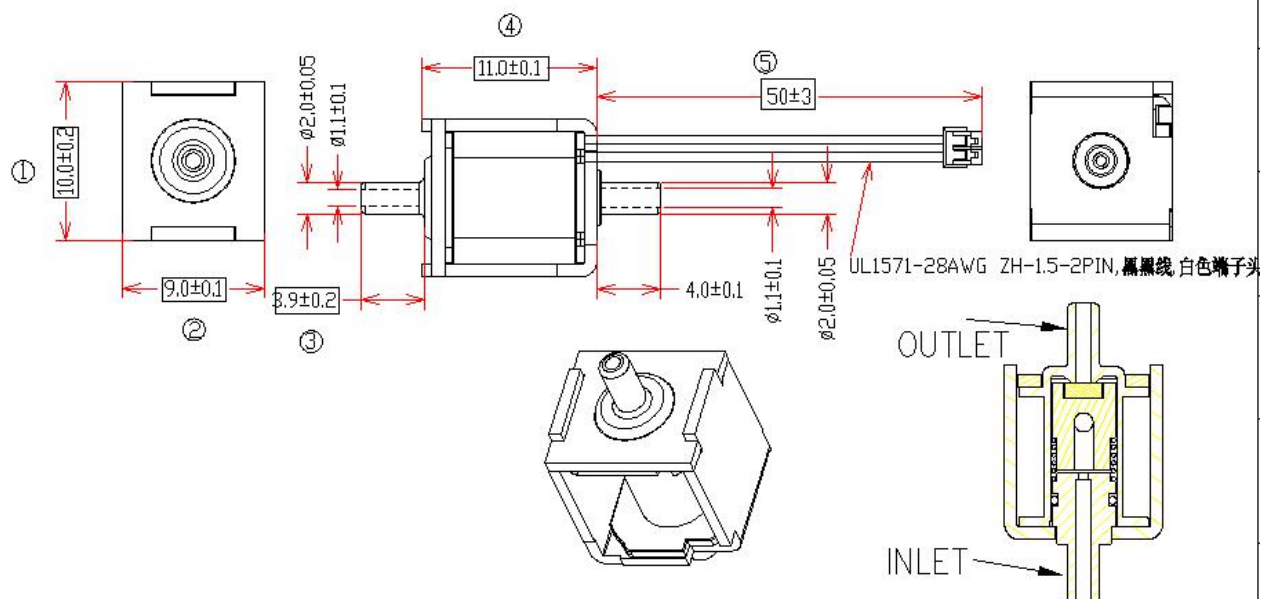
Customer Name :

Customer P/N:

Part Name :

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10. 外形尺寸 Dimension (Unit : mm)



11. 圖片 photo (以實物為準)

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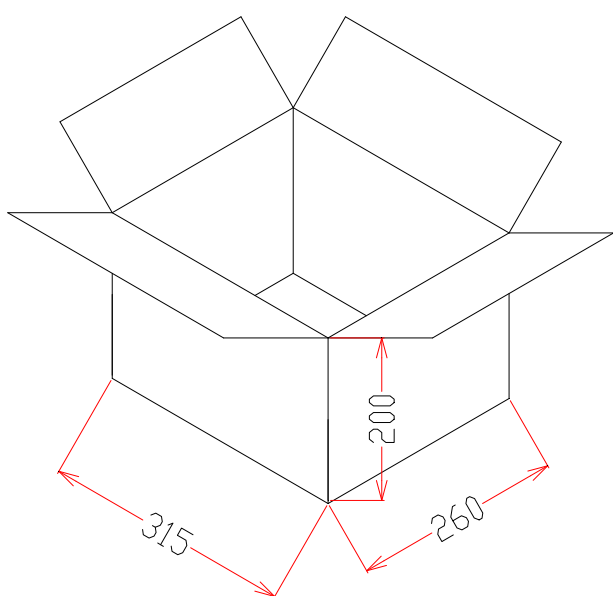
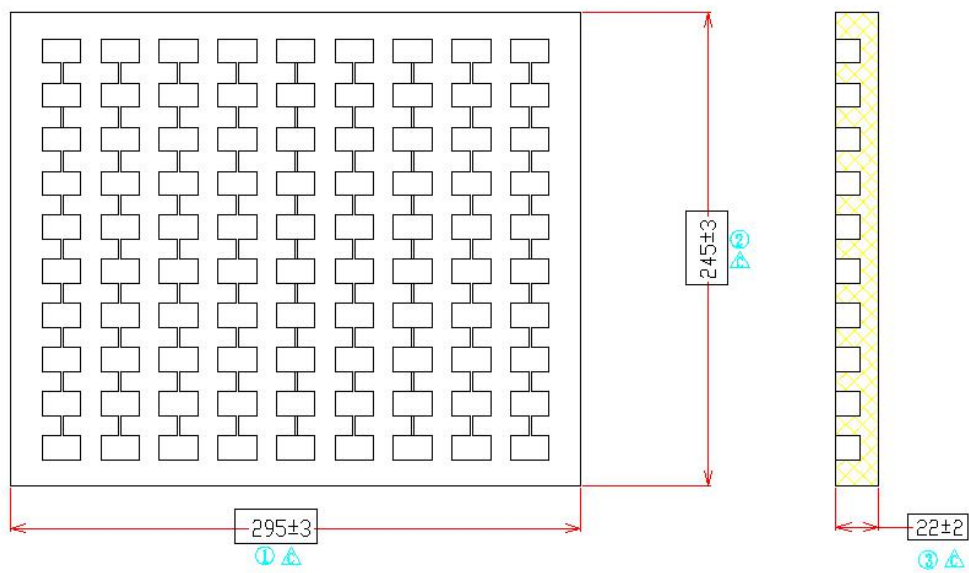
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Customer Name :	Customer P/N:
Part Name :	P/N:102011014

12.包装 Packing

每箱包裝數量 720PCS / carton



13.重量 Products weight

4.3g / PCS
3100g / carton

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Customer Name :
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14.ROHS2.0 承諾書:
ROHS letter of commitment:

時光有限公司鄭重保證，本公司向提供的全部產品或零部件均不含有國內外法律禁止製造、禁止使用、限制含有之物質。

15. 验收标准: 根据 GB/T2828.1-2012 II 级一次正常抽样水准

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