



东莞市宗旨电子科技有限公司

DONGGUAN ZONGZHI ELECTRONIC TECHNOLOGY CO.,LTD

產品規格書

PRODUCT SPECIFICATION

客 戶

Customer

客 戶 型 號

Customer P/N

產 品 名 稱

四头真空泵

Part Name

產 品 型 號

Model No.

AM6099HSB DC24V

CUSTOMER APPROVED 客戶確認	CHECKED 核 对	INSPECTION 審 查	APPROVAL 批 准	DATE 日 期	Version 版 本
AIM TECH APPROVED 宗旨確認	DRAWN 編 制	CHECKED 審 核	APPROVAL 批 准	DATE 日 期	Version 版 本
	陈家豪	姜智慧	郑志强	2025.5.15	1.0

PLEASE CONFIRM OUR SPECIFICATION. 敬请确认规格书之内容。

PLEASE CONFIRM AND RETURN 1 COPY. 请确认后惠返（1）份。

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<div></div> <div>东莞市宗旨电子科技有限公司</div> <div>DONGGUAN ZONGZHI ELECTRONIC TECHNOLOGY CO.,LTD</div>	客戶編 Customer		產品型號 Model No.																
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<div>1.適用範圍 Application:</div> <div>本規格書適用於微型泵 AM6099HSB/DC24V 之用。</div> <div>This specification is applicable to Micro air Pump AM6099HSB/DC24V</div> <div>2.測試條件 Test condition:</div> <div>2-1 測試環境溫度濕度: 周圍溫度 20℃, 相對濕度 65%RH 為標準。如無爭議發生可以在下述環境測試: 周圍溫度 5—45℃, 相對濕度 30—80%RH</div> <div>The standard of environment test is the ambient temperature of 20℃ and relativehumidity of 65% RH。If no disputes occur, the test can be conducted under the blow circumstance:the ambient temperature of 5-45℃ and relative humidity of 30~80% RH。</div> <div>2-2 測試姿勢 position:</div> <div>水平 Horizontal</div> <div>2-3 負荷 Load:</div> <div>空氣 air</div> <div>3.性能 Function(FIG3):</div> <table><thead><tr><th>項目 Item</th><th>性能 Function</th><th>備註 Remarks</th></tr></thead><tbody><tr><td>3-1 額定電壓 Rated voltage</td><td>24V</td><td></td></tr><tr><td>3-2 使用電壓 Operating voltage</td><td>22V-26V</td><td></td></tr><tr><td>3-3 空載電流 no-load current</td><td><9A</td><td></td></tr><tr><td>3-4 抽氣時間 Flushing time:</td><td><10s</td><td>使用 DC24V 的電壓下在 1000CC 容器中抽氣壓力從 0 到 90Kpa 所用時間小於 10 秒 It takes less than 10 seconds to pump the pressure from 0 to 90Kpa in a 1000CC vessel at a voltage of DC24V</td></tr></tbody></table>					項目 Item	性能 Function	備註 Remarks	3-1 額定電壓 Rated voltage	24V		3-2 使用電壓 Operating voltage	22V-26V		3-3 空載電流 no-load current	<9A		3-4 抽氣時間 Flushing time:	<10s	使用 DC24V 的電壓下在 1000CC 容器中抽氣壓力從 0 到 90Kpa 所用時間小於 10 秒 It takes less than 10 seconds to pump the pressure from 0 to 90Kpa in a 1000CC vessel at a voltage of DC24V
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項目 Item	性能 Function	備註 Remarks
3-5 空载噪音 No load noise	Less than 85dB(空载噪音)	將泵體之下墊 5cm 厚的海綿, 放置在距離噪音儀 1m 位置, 24V 電壓下所測得的 dB 值。 Place a 5cm thick sponge under the pump body at 1m away from the noise meter with the measured dB value at 24V voltage
3-6 真空度 vacuum degree	$\geq 95\text{Kpa}$	Rated voltage
3-7 流量 Flow LPM	$> 38\text{LPM}$	Rated voltage
3-8 使用溫度範圍 Operation temperature range	溫度 $5^{\circ}\text{C} \sim 50^{\circ}\text{C}$ 濕度 $30\% \sim 80\%$	The temperature have to be between 5°C and 50°C and humidity must is between 30% and 80% RH to function the pump well.
3-9 保存溫度範圍 Preservation temperature range	溫度 $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ 濕度 $30\% \sim 85\%$	The temperature has to be between negative 20°C and positive 60°C and humidity has to be between 30% and 85% RH to keep the pump in a good condition.

4. 可靠性試驗 Reliability test:

4-1 低溫特性 Low-temperature characteristic:

放置在 -20°C 經 72 小時後, 再取出置於常溫 ($20^{\circ}\text{C} \pm 5^{\circ}\text{C}$) 中 2 小時按 3.3 3.6 3.7 測試無異常。

Putting the pump in the temperature at negative 20°C for 72 hours; then taking it out and putting it in a room temperature at $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for two hours. Under this circumstance, running through test 3.3 3.6 3.7 and finding out that the pump still performs well.

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<div>4-2 高溫特性 High-temperature characteristic:</div> <div>在 60℃經 72 小時放置後,再取出置於常溫(20℃±5℃)中 2 小時按 3.3 3.6 3.7 測試無異常。</div> <div>Putting the pump in the temperature at 60℃ for 72 hours;then taking it out and putting it in a room temperature at 20℃±5℃ for two hours。Under this circumstance, running through test 3.3 3.6 3.7 and finding out that the pump still performs well.</div> <div>4-3 高溫高濕 High-temperature & High humidity:</div> <div>在溫度 60℃, 濕度 80~85%環境中 72 小時取出置於常溫 (20℃±5℃) 中 2 小時按 3.3 3.6 3.7 測試無異常。</div> <div>Putting the pump in the temperature at 60℃ and the humidity between 80~85% for 72 hours; then taking it out and putting it in a room temperature at 20℃±5℃ for two hours. Under this circumstance, running through test 3.3 3.6 3.7 and finding out that the pump still performs well.</div> <div>4-4 壽命試驗 Life test:</div> <div>在 1000CC 容器中,抽氣 10 秒 停 2 秒 排氣 5 秒為一迴圈 測試 15, 0000 次以後按 3.3 3.6 3.7 測試無異常。</div> <div>In 1000CC container, exhaust 10 seconds stop 2 seconds exhaust 5 seconds for primary ring test 15,0000 times after 3.3 3.6 3.7 test without abnormality</div> <div>4-5 低溫環境測試 Low— temperature environment test:</div> <div>在 5℃經 5 小時後 在此溫度下測試無異狀。</div> <div>Measuring after 5 hours neglect and there are no abnormalities a deed following test in 5℃.</div> <div>4-6 高溫環境測試 High— temperature environment test:</div> <div>在 50℃經 5 小時後 在此溫度下測試無異狀。</div> <div>Measuring after 5 hours neglect and there are no abnormalities a deed following test in 50℃.</div>							
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5.其他 Others

5-1 跌落試驗 Fall test:

使用標準的包裝方式，在水泥地面上將其從 50CM 的高度分別從正面、側面、邊角自由落下其性能及結構無異常。

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.

5-2 異常試驗 Unusual test:

泵的温度不能超过 85 摄氏度，一旦超过 85 摄氏度将触控温度传感块，泵将停止工作。

The temperature of the pump cannot exceed 85 degrees Celsius, once over 85 degrees Celsius will touch the temperature sensing block, The pump will stop working.

5-3 馬達端子 Motor Terminal:

以 0.5 公斤砝碼與端子負載無異常。端子須在 380℃烙鐵溫度下焊接，要求在 2S 內操作完成

No abnormality occurs when a 0.5Kg static is hanging in the parallel direction of the Terminals .The terminals must be 380 °C temperature soldering iron, the requirements to complete the operation in 2 seconds.

5-4 外觀 Appearance:

產品不能有破損，臟汙。

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

6.如對此份規格書有任何須修改、增加、或刪除的意見，需經過客戶及宗旨公司雙方面的協商。

In case any modifications, addition or elimination on this specifications are necessary, Decisions shall be made through the negotiations between our customer and AIM Electronic co.,LTD.

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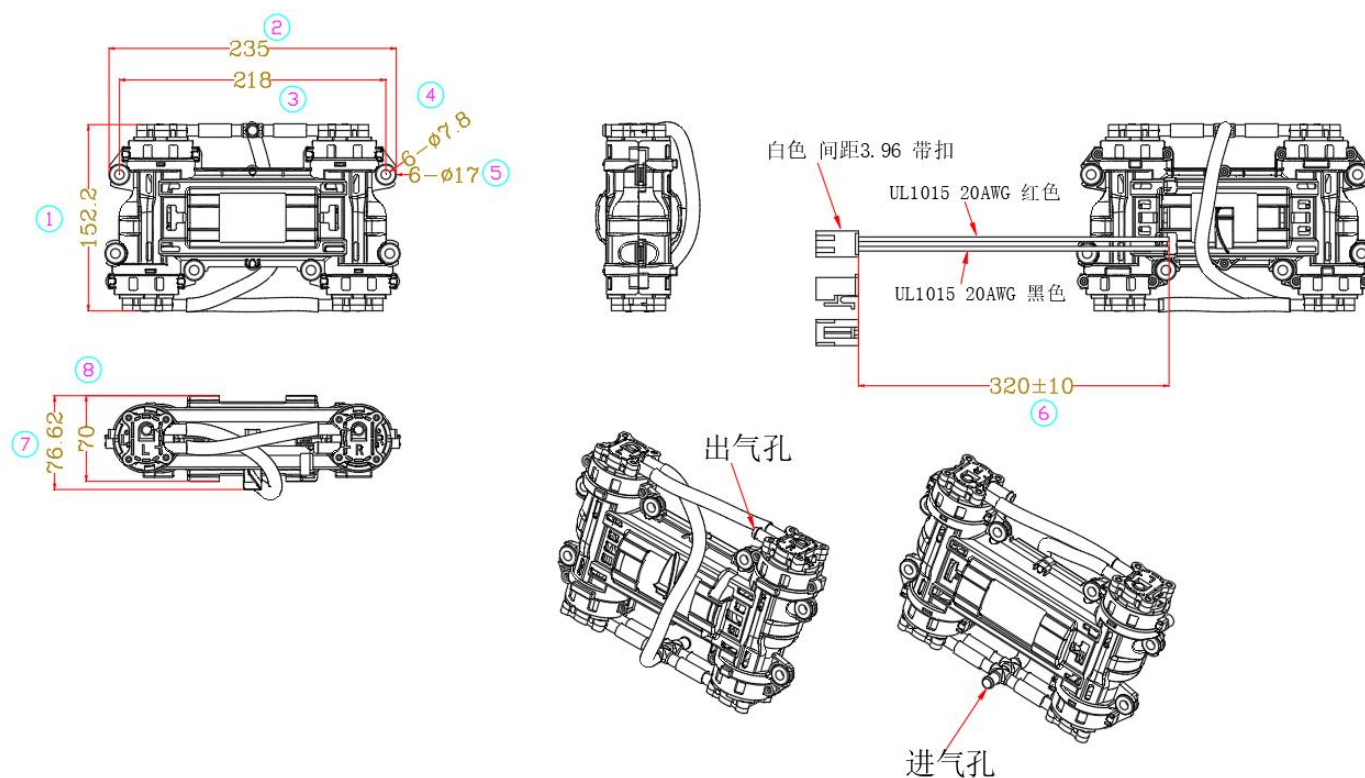
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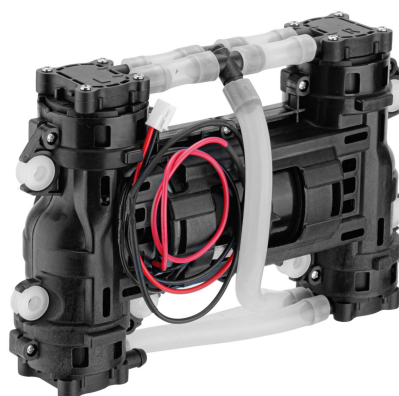
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7.外形尺寸 Dimensions



8.圖片 photo



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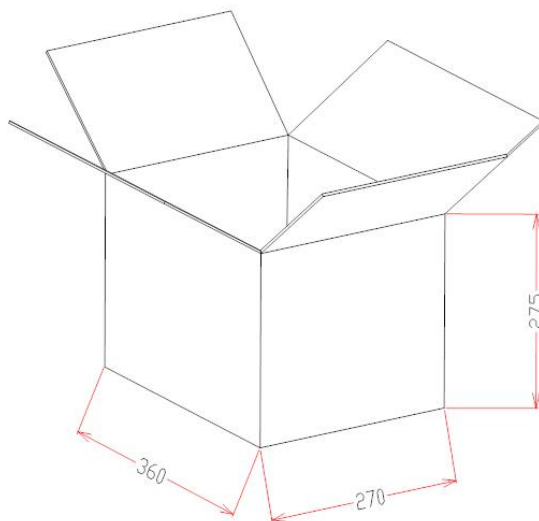
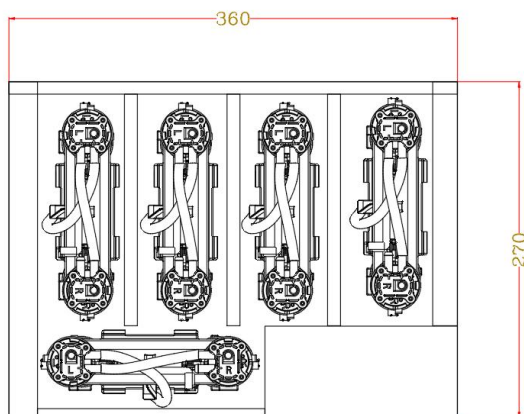
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9.包装 Packing

每箱包裝數量

10PCS / carton



10.重量 Products weight

1460g/pc

15000g/carton

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11. ROHS 承諾書:

ROHS letter of commitment:

宗旨公司鄭重保證，本公司向提供的全部產品或零部件均不含以下禁止物質（包括未滿限制值的情況）

限用物質一覽表：國內外法律禁止製造、禁止使用、限制含有之物質。

- 1) Cadmium and its Compounds(Cd) 鎘及其化合物
- 2) Lead and its Compounds(Pb) 鉛及其化合物
- 3) Mercury and its Compounds(Hg) 水銀及其化合物
- 4) Hexavalent Chromium Compounds(Cr6+) 六價鉻化合物
- 5) Polybrominated Biphenyls (PBBs) 多溴聯苯
- 6) Polybrominated Diphenyl ethers(PBDEs) 多溴二苯醚
- 7) Asbestos 石棉
- 8) Polychlorinated Biphenyls (PCBs) 多氯化聯苯
- 9) Tributyl Tin Oxide(TBTO) 三丁基氧化錫
- 10) Tributyl Tins & Triphenyl Tins 三苯基錫及三丁基錫類
- 11) Formaldehyde 甲醛
- 12) Polychloronaphthalenes(Cl>3) 多氯化萘
- 13) Short Chain Chlorinated Paraffins 短鏈氯化石蠟
- 14) Brominated Flame Retardants 含溴阻燃劑
- 15) Vinyl Chloride Polymer PVC 膠皮
- 16) Azo Colorants 偶氮類染料及顏料
- 17) Ozone depleting Substances 破壞臭氧層物質
- 18) radioactive Substances 放射性物質

宗旨公司禁止物質限制值的標準：

- 1、Cadmium and its compounds(Cd) 鎘及其化合物 <100 ppm
- 2、Lead and its Compounds(Pb) 鉛及其化合物 <1000 ppm
- 3、Mercury and its Compounds(Hg) 水銀及其化合物 <1000 ppm
- 4、Hexavalent chromium compounds(Cr6+) 六價鉻化合物 <1000 ppm
- 5、Polybrominated Biphenyls(PBBs) 多溴聯苯 <1000 ppm
- 6、Polybrominated Diphenyl ethers(PBDEs) 多溴二苯醚 <1000 ppm

12. 验收标准: 根据 MIL-STD-105E 单次抽样, 正常检验水平 II.

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13.文檔 Text file

FIG 1

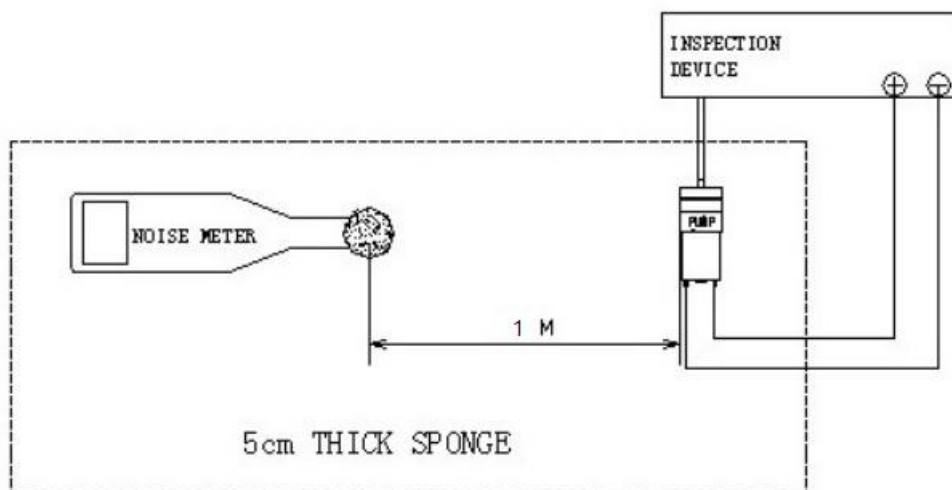
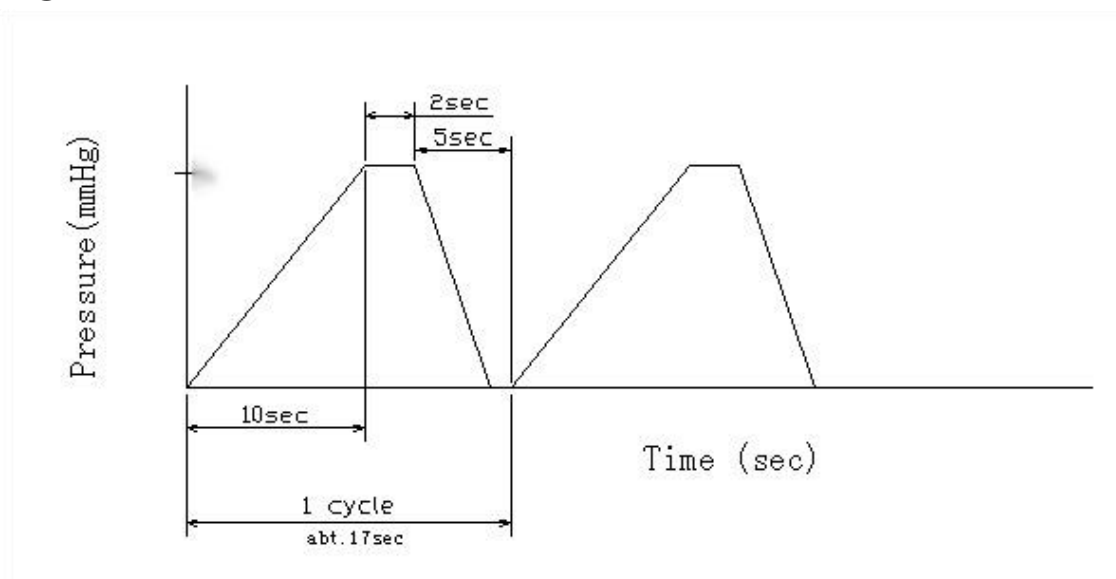


FIG 2



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