



1. 适用范围 Application:

本规格书适用于微型充气泵 AJK---B12A2706 之用.

This Specification is applied to regulation related to the DC.
Mini Pump.

2. 测试环境 Standard test environment:

2 - 1 测试环境温度湿度:周围温度 20°C 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°C 相对湿度 40-85%RH。

Environment Ambient temperature 20°C relative humidity
65%RH. In case, the test result is not contested test can be
conducted in the store of ambient Temperature 5-30°C,
relative humidity 40-85%RH.

2 - 2 测试姿势 Position: 水平 Horizontal

2 - 3 负荷 Load: 空气压力 300mmHg

3. 额定条件 Rated condition:

3 - 1 额定电压 Rated voltage: DC 12.0V

3 - 2 使用电压范围 Operating voltage range: DC 10.8V~13.2V

3 - 3 额定电流 Rated current: <350 mA

使用额定电压 DC 12.0V 供给微型充气泵, 充气压力从 0
到 300mmHg 的最高电流.

During pressurization from 0 to 300mmHg at rate voltage.

3 - 4 空载流量 Air flow without load: ≥ 2.5 LPM.



3 — 5 充气时间 Inflation time: <8.0 秒. less than 8.0 Sec.

在 500CC 容器中充气压力从 0 到 300mmHg 所需时间.

Less than 8.0 sec. to pressurize in a 500CC tank from 0 to 300 mmHg at rated voltage.

3 — 6 气密 Leakage: <3.0mmHg/min.

在 500CC 容器中充气在 300±30mmHg 压力之后停止充气,安定 30 秒后测其减少之压力值需小于 3.0mmHg/分。

Pressurizing a 500CC tank from 0 to 300±30mmHg.
Pressure drop shall be less than 3.0 mmHg/min. in 30 second after the stop of the pump.

3 — 7 噪音 Noise: 小于 59 dB Less than 59 dB (a range)

在微型充气泵下面垫 5cm 之海绵, 距噪音计 30cm 之处, 使用额定电压 DC 12.0V 供给微型充气泵, 充气压力从 0 到 300mmHg 所测得 dB 值。

Put a sponge of 5cm under the pump and distance to noise meter from 30cm, and while pressurizing from 0 to 300 mmHg to test the noise value at #3-1.

3 — 8 最大充气压力 Maximum pressure: >100 kPa

输入 12.0V 电压在 500CC 容器中充气压力从 0 到停止升压之最高压力值.

Pressurize at a 500CC tank. The maximum pressurization value is while the pump stop the inflation at rated voltage.

3 — 9 再启动电压 Re-start voltage: 10.0V



升压到 200mmHg 时暂停,再加压到 300mmHg 的最低启动电压。

To restart pressurization to 300 mmHg after stopped at 200 mmHg

3 — 10 使用温度范围 Operation temperature range:

5°C~45°C

3 — 11 保存温度范围 Preservation temperature range:

-20 ~60°C

4 . 保证性能 Guaranteed performance:

在经过 4-1 到 4-4 的测试后,漏气量需低于 18mmHg/分钟,噪音需低于 71dB。

Shall satisfy the basic performance of article 5 after 4-1 to 4-4 tests. Leakage shall be less than 18 mmHg/min. and noise less than 71 dB.

4 — 1 低温特性 Low-temperature characteristic:

放置在-20°C 经 72 小时后,再取出置于常温(20±5°C)中 2 小时,依下列项目测试无异状 (#3-3, -4,-5, -8)。

Shall keep the performance after leaving the pump in -20°C for 72 hours and Returning it to room temperature (20±5°C) for two hours.

4 — 2 高温特性 High-temperature characteristic:

在 60°C 经 72 小时放置后,在于常温(20±5°C)中 2 小时



依下列项目测试无异状（#3-3, -4, -5, -8）。

Shall keep the performance after leaving the pump in 70°C
for 72 hours and returning it to room temperature (20±5°C)
for 2 hours.

4 — 3 高温高湿 High-temperature & High humidity:

于温度 60°C,湿度 90-95%环境中经 72 小时取出置于常温
(20±5°C)中 2 小时依下列项目测试无异状(#3-3, -4,-5, -8)。

Shall keep the performance after leaving the pump in 60°C
with 90-95% RH for 72 hours and returning it to room
temperature (20±5°C) for 2 hours.

4 —4 寿命试验 Life test:

装入血压计中测试 30,000 次以后经下列项目测试无异状
(#3-3, -4,-7, -8)。

After performing operation 30,000 times in the state of
sphygmomanometer Mounting, there are no abnormalities in
a deed following test.

4 —5 低温环境测试 Low-temperature environment test:

在 5°C 经五小时后,在此温度下测试无异状。

Measuring after 5 hours neglect, and there are no
abnormalities a deed following test in 5°C.

4 —6 高温环境测试 High-temperature environment test:

在 45°C 经五小时后,在此温度下测试无异状。



Measuring after 5 hours neglect, and there are no abnormalities in a deed a test following in 45°C.

5. 其它 Others:

5-1 端子强度 The lead tension:

以 0.5 公斤法码与端子平行负载无异常者。

Static load 0.5kgf is in the direction of the terminal. No abnormal for one minute.

5-2 落下实验 Fall test:

使用标准的包装方式,在水泥地上将其从 50cm 的高度

分别从正面,侧面,及边角落下,其性能及结构需无异常

(#3-3,-4, -5, -6, -7, -8)。

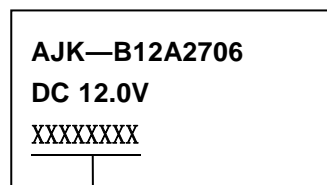
Basic performance and the structure shall not be defected after following test. With a standard packaging conditions. Drop the carton at 50cm height on the concrete floor. Once against a corner, twice against edges and three times against faces. And there no abnormalities in a deed a test below.

5-3 外观 Appearance:

商品无不适当的外观和刮伤, 脏污等。

They do not need to be a crack, impurity, etc. of appearance Unsuitable as goods.

5-4 标签 Labeling:



日期 Date: YYYYMMDD



6、如对此份规格书有任何须修改、增加或删除的意见，须经过客户及爱家康公司双方面的协商。

In case any modifications, addition or elimination on this specifications are necessary, Decisions shall be made through the negotiations between our customer and Xiamen AJK Technology co., ltd.

7、允收标准 A.Q.L:

依据 MIL—STD—105D 检验。

According to MIL-STD-105D.

Inspection Level	
LOT SIZE	S--4
151---280	E (13)
281---500	E (13)
501---1200	F (20)
1201---3200	G (32)
3201---10000	G (32)



8、成品图 physical dimension:

