深圳市集创兴科技有限公司

Shenzhen TCS Precision Technology Co., Ltd

水阀规格书

Specification of water valve

客　　户：H041

Customer：

品　　名：电磁水阀

Part name: Water valve

型　　号：JSF2637028

Model

日　　期：**2018-08-05**

Date

页　　数：共 7 页（包括封面）

Number of pages : Seven pages

作成/Made	审核/Audit	核准/ Approval

客户承认

Customer acknowledgment

1. 适用范围 Application：

本规格书适用 JSF2637028 之用.

The specifications apply JSF2637028 use。

2. 测试环境 Standard test environment:

2-1	测试环境温度 Environment test	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 of environment test is the ambient temperature of 20℃ and relative humidity of 65%RH. lf no disputes occur,the test can be conducted under the blow circumstance: the ambient temperature of 5~30℃ and relative humidity of 40~85%RH.
2-2	測試姿势（Position）	水平（Horizontal）
2-3	负荷（Load）	水压 750 mmHg（Water pressure 750 mmHg）
2-4	使用温度范围 Operation temperature range	0 ~90º C(Humidity to 30% to 85%RH)
2-5	保存温度范围 Preservation temperature range	-20 ~90º C(Humidity to 30% to 85%RH)

3. 额定条件 Rated condition:

3-1	额定电压 Rated voltage	DC12.0 V
3-2	使用电压范围 Operating voltage range:	DC10.8V~13.6V
3-3	额定电流 Rated current:	240±10%mA
3-4	额定功率 Rated power consumption	2.88±10%W
3-5	定格使用条件 Rated use condition	连续使用。
3-6	使用压力范围 Range of operational pressure	MAX800 mmHg
3-7	常用压力 Common pressure	750mmHg
3-8	绝缘等级 Insulation grade	A
3-9	使用流体 Used fluid	Drinking Water
3-10	温升 Temperature rise	在常温条件下，DC12.0V 连续通入后，其温升最大为 65K. At normal temperature，connecting with DC 12.0V continuously, the saturated temperature is below 65K

4 电气特性 Electrical characteristics:

4-1	密封性 Leakage	<5mmHg/min (less than 5mmHg/min.) 塑胶端 B：电磁阀不通电, 塑胶端 B 通以气压 750mmHg 时的漏气量小于 5 mmHg/min B plastic :while pressure at 750mmHg，the leakage shall be lower than 5.0 mmHg/min at no voltage.	**<5mmHg/min** less than **<5** mmHg/min
4-2	直流阻抗 DC Resistance	50±10%Ω (Ambient temperature of 25°C)	**50±10%Ω**
4-3	排气速度 Exhaust speed	<5s (less than 5s) 在 300CC 容器中，塑胶端 B 接入压力 750mmHg 后，通入 DC10.8V 电压，当阀座口开放 5 秒内，其容器内的压力降至 20mmHg 以下. Use 300cc tank ,B plastic side access 750mmHg pressure input DC 10.8V voltage ,solenoid valve seat mouth within 5seconds ,the pressure inside the tank was dropped from 750 mmHg to 20mmHg below.	**<5s** less than 5 seconds
4-4	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 DC500V,绝缘阻抗 50M OHM 以上 The insulation resistor is 50MΩ Min at DC500V between Coil and non-charge Metal.	
4-5	绝缘耐压 Dielectric Withstand	AC600V 1 秒钟通入，其线圈和非充电金属间无异常之现象(电流≤0.5mA) It has to test between coil and outer mental parts at applying AC600V for 1second.(current≤0.5mA)	

5 环境试验 Environmental Tests：

5-1	低温放置试验 Low-temperature characteristic	放置在-20℃经 72 小时后, 再取出置于常温(20±5℃)中 2 小时依下列专案测试无异状 4-1,4-2，4-3，4-4，4-5

		Putting the valve in the temperature at negative 20℃ for 72 hours;then taking it out and putting it in a room temperature at 20±5℃ for 2 hours,Under this circumstance,running through test 4-1,4-2，4-3，4-4，4-5and finding out that the valve still performs well.
5-2	高温放置试验 High-temperature characteristic	在 60℃经 72 小时放置后, 在放常温(20±5℃)中 2 小时依下列专案测试无异状 4-1,4-2，4-3，4-4，4-5 Putting the valve in the temperature at 60℃ for 72 hours; then taking it out and putting it in a room temperature at 20±5℃ for 2 hours,Under this circumstance,running through test 4-1,4-2，4-3，4-4，4-5. and finding out that the valve still performs well.
5-3	高温高湿放置试验 High-temperature & High humidity	在温度 60℃,湿度 95%环境中经 72 小时取出置于常温(20±5℃)中 2 小时依下列专案测试无异状 4-1,4-2，4-3，4-4，4-5 Putting the valve in the temperature at 60℃ and the humidity at 95% for 72 hours;then taking it out and putting it in a room temperature at 20±5℃ for 2 hours.Under this circumstance,running through test 4-1,4-2，4-3，4-4，4-5and finding out that the valve still performs well.
5-4	温湿度循环放置测试 Temperature & humidity cycle test	在经过 12 次的温湿度循环测试后:-20℃* 2Hr → +25℃* 1Hr → +60℃ 85%RH* 2Hr →+25℃*1Hr,需维持相同的性能.依下列专案测试无异状 4-1,4-2，4-3，4-4，4-5 After doing the temperature and humidity cycle test,-20℃* 2Hr → +25℃* 1Hr→+60℃ 85%RH* 2Hr →+25℃*1Hr,for twelve times,the valve shall still perform the same functions proved by running through test 4-1,4-2，4-3，4-4，4-5
5-5	寿命试验 Life test	在无负载状况下，输入电压 DC12.0V，一个循环为通电 40 秒，断电 20 秒，连续动作 30000 个循环以上依下列项目测试无异常:4-1,4-2,4-3,4-4,4-5 Connecting withDC12.0V,turning the power on for 40 second and off for 20 seconds as one cycle;doing this action for more than 300,00 times.After the action,examining the product by test 4-1,4-2,4-3,4-4,4-5and finding out performing well.

6 特殊环境测试 Thermal test performance:

在经过以下 6-1 和 6-2 项目之特殊环境测试后，要产品须可满足项目 4-1 至 4-5 之基本性能。

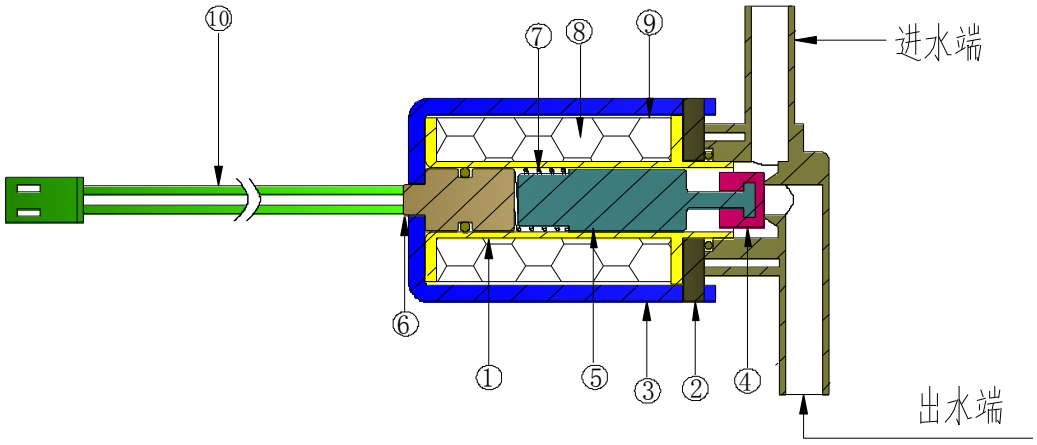
After the valve has been tested through test 6-1 and 6-2, it must be suitable the basic performance required by item 4-1 to 4-5.

6-1	低温环境测试 Low-temperature environment test	在温度 0℃经五小时后,在此温度下依下列专案测试无异状，4-1,4-2，4-3，4-4，4-5 Under a temperature of 0℃ for 5 hours, then examining the valve by test 4-1,4-2，4-3，4-4，4-5and finding out it still perform well.
6-2	高温环境测试 High-temperature environment test	温度 50℃经五小时后,在此温度下依下列专案测试无异状，4-1,4-2，4-3，4-4，4-5 Under a temperature of 50℃ for 5 hours, then examining the valve by test 4-1,4-2，4-3，4-4，4-5and finding out it still perform well.

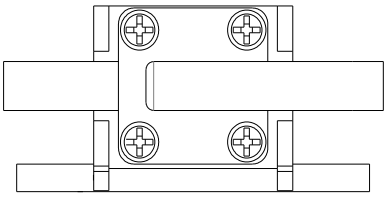
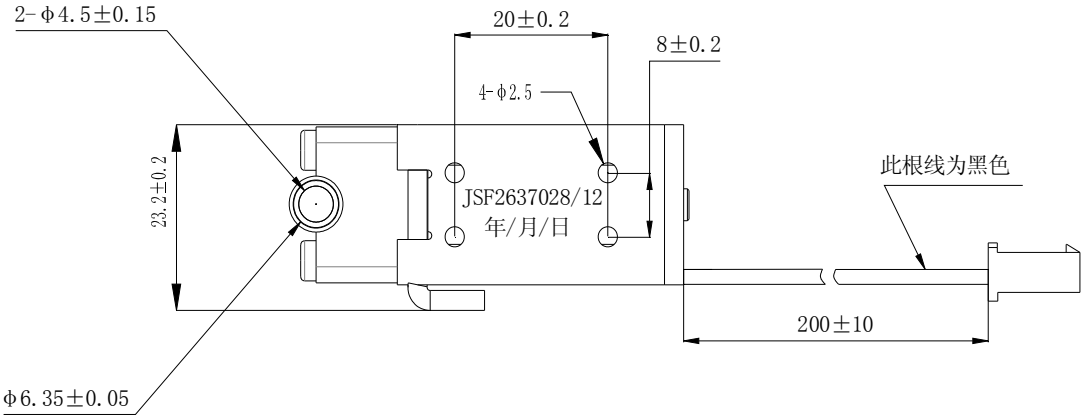
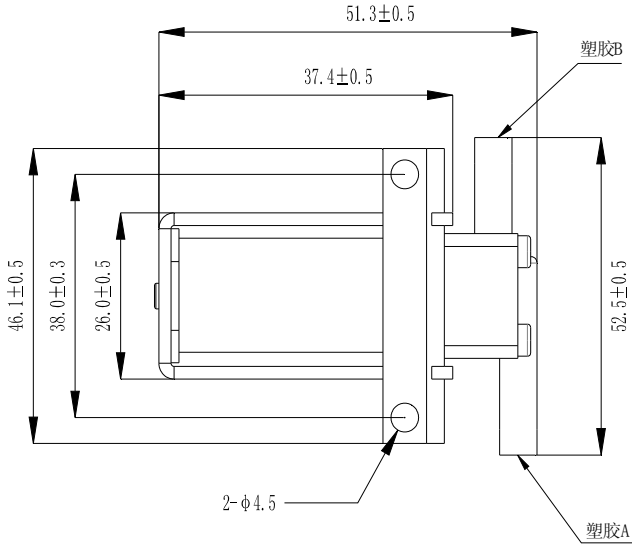
7 其它 Others:

7-1	引线强度 The lead tension	以 0.5 公斤法码与引线平行负载无异常. Hanging a 0.5 Kg static load on the terminal of the valve will not cause a damage on the valve.
7-2	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. Basic performance and the struture shall not be defected after following test;With a standard packaging conditions,then dropping it at the front,side,and edges part from the height of 50 cm to the concrete floor.
7-3	外观 Appearance	产品无不适当的外观和刮伤, 脏污…等. The appearances of the valve shall not contain cracks and impurities.
7-4	异常试验 Unusual test	以 DC13.6V 连续 8 小时通电无燃烧,发烟现象. There is no burning and smoking occurrence while the power is on with DC 13.6V for 8 hours continuously.

8.结构图 Structural drawing:



9.材料表 Material

号码NO.	名称NAME.	材料MATERIAL.
1	骨架	Framework
2	铁片	Rear Cover
3	铁框	Shell
4	止档片	Diaphragm Seal
5	内芯	Plunger
6	风嘴	Stationary Shaft
7	弹簧	Spring
8	漆包线	Enamelled wire
9	胶带	Tape
10	引线	Wire

10.成品外形图 Finished Outline