

摩托车二次进气阀综合测试系统

Motorcycle Secondary Air Valve Comprehensive Testing System

 **国家实用新型专利**
National Utility Model Patent

1. 产品名称：摩托车二次进气阀综合测试系统
Product Name: Motorcycle Secondary Air Valve Comprehensive Testing System

2. 用途：针对二次进气阀进行流量特性试验、逆向泄漏特性试验、膜片室密封性能试验
Application: In terms of the air compensating valve, carry out the flow characteristic test, reverse leak characteristic test and Diaphragm chamber leak test

3. 主要功能和特点：
Functions and Specifications

- 实现定压调流、低压大流量及连程控制，可对测试回路中的任一压力点进行监控，并实时调节
Performing flow regulation at constant pressure, large-capacity and joint control, able to monitor any pressure point in the testing circuit and achieve real-time adjustment
- 气密检漏仪，各检测环节时间可任意调整，分辨率达到1Pa
Testing time for each step is free to set, resolution is up to 1Pa
- 高精度数显微压表，分辨率最高可达1Pa
High-precision digital manometer, with the resolution up to 1Pa

5. 测试节拍：
Testing Rate:

- 流量特性试验：0.6~1.0min/件
Flow Characteristic Test: 0.6~1.0min/pcs
- 逆向泄漏特性试验：0.4min/件
Reverse Leak Characteristic Test: 0.4min/pcs
- 膜片室密封性能试验：0.3min/件
Diaphragm Chamber Air Leak Test: 0.3min/pcs

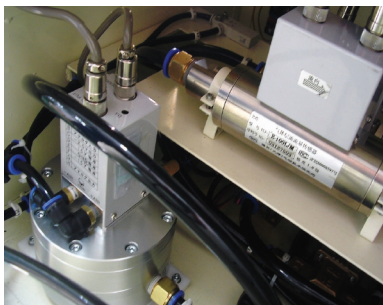


二次进气阀
Air Compensating Valve



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Motorcycle Secondary Air Valve Comprehensive Testing System

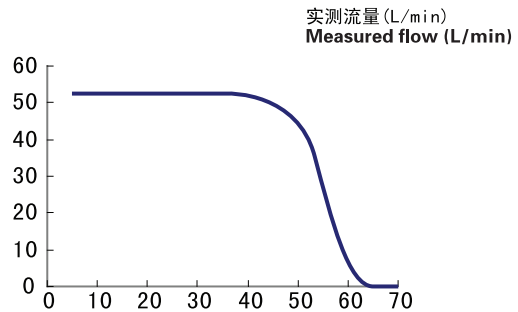
4. 核心器件：FL-293型气密检漏仪、自动压力/流量控制器 (APU)层流式流量计BFU60、微压表BG80
Main Instruments: FL-293 Air Leak Tester, APU, Laminar Flow Meter BFU60, Digital Manometer BG80



APU、层流流量计
APU, laminar flow meter

6. 曲线特性：
Curve characteristic:

截止阀动作特性曲线
ACV action characteristic curve



单位 横轴：kPa 纵轴：L/min
Unit Horizontal axis: kPa Vertical axis: L/min

簧片阀逆流泄漏特性曲线
Reed valve action characteristic curve

