

## TEST REPORT

### 1. Applicant

Name : Young Tech Co., Ltd.  
Address : 3022. Hagun-ri, Yangchon-eup, Gimpo-city  
Kyunggi-do, Korea

### 2. Products

Name : Air Filter Regulator  
Model/Type : YT-205xNxxx1  
Manufacturer : Young Tech Co., Ltd.  
Remark : -

3. Test Standard/Method : IEC 60529:2001, KS C IEC 60529:2006

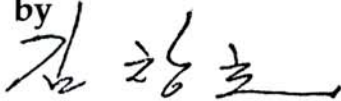
4. Test Results : IP66 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2012. 03. 02

7. Date of Issue : 2012. 03. 08

Tested by



Machinery Convergence Technology Center  
Chang-ho Kim

Approved by



Machinery Convergence Technology Center  
Leader Jun-gu Kang

*The above test report is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.*

# Korea Testing Laboratory

## TEST RESULTS

for Degree of protection provided by enclosures(IP Code)

### 1. Test Results

Code letters	IP	Test method and Record	Results
<p style="text-align: center;"><b>1st</b> Characteristic numerals</p> <p>Against ingress of solid foreign objects</p>	<b>6</b>	<p>1. CONDITIONS</p> <p>1.1 Talcum powder(mesh) : Wire diameter=50 <math>\mu\text{m}</math>, width between wires=75 <math>\mu\text{m}</math></p> <p>1.2 Amount of talcum powder of the test chamber : 2kg/m<sup>3</sup></p> <p>2. TEST</p> <p>2.1 Volume of the enclosures: about 160 cm<sup>3</sup></p> <p>2.2 Reduction air pressure : -2.0 kPa (-200 mmH<sub>2</sub>O)</p> <p>2.3 Flow rate : 0.0 LPM</p> <p>2.4 Extraction rate per hour : 0 volumes/h</p> <p>2.5 Test duration : 8 hours</p>	<b>Pass</b>
<p style="text-align: center;"><b>2nd</b> Characteristic numerals</p> <p>Against ingress of water with harmful effects</p>	<b>6</b>	<p>1. CONDITIONS</p> <p>1.1 Internal diameter of the nozzle : 12.5 mm</p> <p>1.2 Delivery rate : 100 LPM<math>\pm</math>5%</p> <p>1.3 Core of the substantial stream : Circle of 120 mm diameter at 2.5 m distance from the nozzle</p> <p>1.4 Distance from nozzle to enclosure surface : Between 2.8 m</p> <p>2. TEST</p> <p>2.1 The duration of the test is : 3 mins</p>	<b>Pass</b>

### 2. Reference Data

- (1) Test conditions : 20.7 °C, 36 %RH, 86~106 kPa
- (2) Size : 57.2 mm×72.7 mm×H172 mm
- (3) Rating : Supply Air - Max. 1.5 Mpa
- (4) This test was conducted only on body part but not pressure gauge.