



Teststand

Filter Test Products by Emprise Corporation

5011 Series Air Filter Test Stand

A modular system for ISO 5011:2014(E) and SAE J726 testing.

The 5011 Series is a fully automated air filter test system designed for both product development and quality audit using gravimetric test methods. The modular design allows for the equipment to be arranged to fit your particular facility. Options allow you to spec a system to meet your specific needs. Easy to use LabVIEW user interface combined with precise instruments provide efficient operation with highly accurate test results.



A typical system arrangement is shown with all equipment on a single floor. Multi-floor or multi-room arrangements allow the blower unit to be placed in adjacent room, outdoors or on the floor above or below reducing the space required in your test lab.

Specifications

Air Flow Ranges:

Model 5011-1000	75-1000 SCFM	127-1700 std m ³ /hr
Model 5011-2000	150-2000 SCFM	255-3400 std m ³ /hr

Flow ranges are based on a maximum pressure drop of 50"H₂O (12.5kPa) across the test filter
Other ranges are available- consult Emprise

Flow Measurement:

- Single or multiple Laminar Flow Elements (LFE) with high accuracy pressure transducers
- Flow Measurement Accuracy: $\pm 0.86\%$ of reading over rated range

Pressure Measurement:

- Dual range high accuracy transducers measure differential across the test filter
- Pressure Measurement Accuracy: $\pm 0.15\%$ of reading over rated range

Dust Feeder:

- Self-contained, closed loop controlled, gravimetric helical auger type
- Media: ISO Fine, Medium and Coarse dust
- Range: 2-120 grams/min

Vacuum Pump:

- Self-contained, positive displacement, rotary lobe vacuum pump
- Variable speed motor for energy efficiency
- Remote mounting or optional sound enclosure available

User Interface Controls and Data Acquisition:

- A custom LabView application runs automated ISO 5011 and SAE J726 test procedures
- Dell PC, LCD monitor and printer included

Utility Requirements:

Electrical:	480 Vac, 3ph, 60 Hz, 150 Amps (optional international voltages available)
Compressed Air:	40 SCFM at 90 psig (68 std m ³ /hr @ 620 kPa)

Consult Emprise for options or custom features.

Turn-key installation and on-site training are available.

Specifications are subject to change without notice.
Emprise Corporation's Standard Terms & Conditions of Sale apply.

Emprise Corporation/Testand Filter Test Products

3900 Kennesaw 75 Parkway, NW, Suite 125 Kennesaw, GA 30144-6430

Phone: (800) 278-2119 • Fax: (770) 425-1425

www.emprise-usa.com • www.testand.com