

BLOWING SAND AND DUST ENVIRONMENTAL TEST CHAMBER



PRODUCT DESCRIPTION

- The Desert Wind™ Blowing Dust and Sand System is PLC controlled to maintain four parameters in real-time;
 - Wind Speed
 - Temperature
 - Humidity
 - Dust Concentration
- Each Blowing Sand & Dust Test Chamber can be custom designed & manufactured to client specifications.
- The Desert Wind™ System exceeds MIL-STD-810H in concentration variable where a 0.3% standard deviation @ 1 sec interval is possible. The Desert Wind's average variable of .09 g/m³ over a six (6) hour dust test is typical.

SYSTEM CAPABILITIES

- MIL-STD-810H Method 510.5 Procedure 1 & 2
- ACETP 300 Method 313 Blowing Sand, Blowing Dust
- DEF STAN 00-35 Blowing Sand, Blowing Dust
- IEC 60068 Blowing Sand, Blowing Dust
- GAM EG 13 Blowing Sand, Blowing Dust

FEATURES

Fully Automated Design Features

- Automated Control of all Test Parameters in Real-Time
- Automated Rotating Table
- Self-Cleaning & Disposal Process of Test Media
- ACGIH Ventilation System for Operator Dust Control Safety
- Dual 27" Control Room Monitors, PLC, Keyboard & Mouse
- Remote Console Operation
- Built-In Industrial Vacuum Systems
- Data Recording to CSV File @ 1 Hz
- AUTO/MANUAL Control
- Maintenance Pop-Ups
- Remote Troubleshooting Option

TECHNICAL SPECIFICATIONS

MIL-STD-810H	Method 510.5 Procedure 2 (Blowing Sand)
Concentration Range	0.5 - 12 g/m ³
Velocity Range	1.5 m/s – 29 m/s
Humidity Control	<30%
Temperature Control	21ÅC - 83ÅC
Test Chamber Dims.	Customizable
Max. Test Item Size	52" x 52" 52"

CONTACT INFORMATION

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Design subject to change without notice due to continued research and improvements. Performance ratings +/-.

US Patents:
8,733,186 B2 & 9,677,991