

USD-Series Settling Sand & Dust Chambers

USD-Series Sand & Dust chambers provide an environment to test the exposure of automotive, electronic, and other components to concentrated levels of dust in order to validate product seal integrity.

Pulses of compressed air are blown through a manifold located in the bottom of a collection trough, forcing dust up and over the product. Air pulses are time-programmed for “on” and “off” cycles. Concentration of dust can be easily varied by changing the air pressure and the amount of the blowing time. All dust chambers are designed to meet common test methods such as SAE J575, subparagraph “G”, J.I.S. D-0207-1977, ASTM C-150-77 and others. Approved dust types are Arizona Dust, Portland Cement Dust, and 213 Silica Sand.



Power Requirements: 120/1/60

Standard Features

- Two Digital Timers
- Coalescing & Particulate Filters
- Exhaust with Cleanable Filter
- 16 Gauge Stainless Steel Interior
- Full-Opening Front Loading Door
- 3” Thick Foam Insulation
- Casters

Optional Accessories

- Access Ports
- Viewing Window
- Shelving
- Test Fixture Support Rails
- Self-Contained Air Compressor
- Interior Light with Switch

| Model | Exterior Dimensions | Workspace Dimensions |
|--------|--|---|
| USD-10 | 60” H x 55” W x 35” D (152cm x 140cm x 89cm) | 24” H x 30” W x 24” D (61cm x 76cm x 61cm) |
| USD-27 | 72” H x 61” W x 45” D (183cm x 155cm x 114cm) | 36” H x 36” W x 36” D (91cm x 91cm x 91cm) |

Custom sizes are available to meet specific test requirements.