

## Mistaway Air Quality and Performance Test

Tested on date: 6/7/17

### **Equipment used:**

Kanomax Piezobalance Aerosol & Dust Monitor model 3521.

Atomizing Spray Mister was used to introduce spray mist into Mistaway.

### **Test Conditions:**

Mistaway MA700B unit mounted on stand with atomizing spray coolant mister spraying mist into bottom intake of Mistaway unit. All filters installed in Mistaway including Merv 14 ASHRAE Filter.

Atomizing Spray Mister spraying (Maximum Full Blast 120 psi) water soluble (Cimcool CIMPULSE 51mp) into bottom intake of Mistaway. Samples taken at top exhaust of Mistaway for a two minute period per test.

Reference: Ambient room air quality test result in test room = .03 mg/m<sup>3</sup>

### **Test Results Without 95% Hepa After Filter Installed, sample taken at top exhaust:**

After 1 min of continuous spray mist, 2 min sample time, average = .60 mg/m<sup>3</sup>

After 5 min of continuous spray mist, 2 min sample time, average = .95 mg/m<sup>3</sup>

After 20 min of continuous spray mist, 2 min sample time, average = .90 mg/m<sup>3</sup>

### **Test Results With 95% Hepa After Filter Installed, sample taken at top exhaust:**

After 30 min of continuous spray mist, 2 min sample time, average = .04 mg/m<sup>3</sup>

### **Note:**

The OSHA and NIOSH limits on airborne mist particles are currently set at 5mg/m<sup>3</sup>