

Slide Evacuation Test Method: Review of Round Robin 1 Results

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Slide Evacuation Test Round Robin

- Results with FAA Test Equipment:

Test #	Furnace Type	Material Gray faces to the heat	Starting pressure (PSI)	Pressure at 90 seconds (PSI)	Pressure at 180 seconds (PSI)	Pressure at 240 seconds (PSI)	Pressure at 300 seconds (PSI)	Pass / Fail
1	New Version Solid Coil	Yellow/Gray	2.50	2.88	2.97	3.02	3.07	Pass
2	New Version Solid Coil	Yellow/Gray	2.50	2.93	3.00	3.03	3.06	Pass
3	New Version Solid Coil	Yellow/Gray	2.50	2.91	2.97	3.01	3.05	Pass
5	New Version Solid Coil	Yellow/Gray	2.50	2.88	2.93	2.96	2.99	Pass
6	New Version Solid Coil	Yellow/Gray	2.50	2.91	2.97	3.01	3.03	Pass

7	New Version Solid Coil	Blue/Gray	3.50	3.84	3.90	3.93	3.96	Pass
8	New Version Solid Coil	Blue/Gray	3.50	3.86	3.92	3.95	3.99	Pass
9	New Version Solid Coil	Blue/Gray	3.50	3.84	3.90	3.92	3.96	Pass
10	New Version Solid Coil	Blue/Gray	3.50	3.88	3.94	3.97	4.02	Pass

Test #	Furnace Type	Material	Starting pressure (PSI)	Comment –Time to Failure	Pass / Fail
11	New Version Solid Coil	Mustard/Mustard	2.5	Pressure loss at 42 seconds	Fail
12	New Version Solid Coil	Mustard/Mustard	2.5	Pressure loss at 36 seconds	Fail
13	New Version Solid coil	Mustard/ Mustard	2.5	Pressure loss at 28 seconds	Fail
14	New Version Solid Coil	Mustard/ Mustard	2.5	Pressure loss at 38 seconds	Fail
15	New Version Solid Coil	Mustard/Mustard	2.5	Pressure loss at 59 seconds	Fail
16	New Version Solid Coil	Mustard/ Mustard	2.5	Pressure Loss at 42 seconds	Fail

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- Results from Participating Lab:

Test #	Furnace Type	Material	Starting pressure	300 seconds	Pass/Fail
1	New Version Solid Coil	Yellow/Gray	2.50	No pressure loss	Pass
2	New Version Solid Coil	Yellow/Gray	2.50	No pressure loss	Pass
3	New Version Solid Coil	Yellow/Gray	2.50	No pressure loss	Pass

4	New Version Solid Coil	Blue/Gray	3.50	No pressure loss	Pass
5	New Version Solid Coil	Blue/Gray	3.50	No pressure loss	Pass
6	New Version Solid Coil	Blue/Gray	3.50	No pressure loss	Pass

7	New Version Solid Coil	<u>Mustard Mustard</u>	2.50	Pressure loss at 32 seconds	Fail
8	New Version Solid Coil	<u>Mustard Mustard</u>	2.50	Pressure loss at 43.6 seconds	Fail
9	New Version Solid Coil	<u>Mustard Mustard</u>	2.50	Pressure loss at 31.1 seconds	Fail
10	New Version Solid Coil	<u>Mustard Mustard</u>	2.50	Pressure loss at 33 seconds	Fail

Round Robin 2 Testing

- Materials and Equipment for Round Robin 2 are currently being distributed to participants.
- 3 different slide materials will be tested.
 - 2 have been received by the FAA.
 - These are new materials versus those from Round Robin 1.
 - 4 Labs are participating.
- Each participant's HFG (Heat Flux Gauge) will be recalibrated by the FAA prior to testing.
- Results from the Round Robin will be presented at the next meeting.