



Custom Vent Solutions

Aria Vent: Drywall PRO Air Flow Specifications

Rev.1 Date: May 18, 2018

| Model | Face Velocity (fpm) | | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 |
|-----------------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Terminal Velocity (fpm) | | 50, 100, 150 | 50, 100, 150 | 50, 100, 150 | 50, 100, 150 | 50, 100, 150 | 50, 100, 150 | 50, 100, 150 | 50, 100, 150 | 50, 100, 150 | 50, 100, 150 |
| Drywall PRO 4"x10" | Area Factor (Ak) 0.058 | CFM | 46 | 58 | 70 | 81 | 93 | 104 | 116 | 128 | 139 | 151 |
| | | SP (in., wg) | 0.041 | 0.064 | 0.093 | 0.126 | 0.165 | 0.208 | 0.257 | 0.311 | 0.37 | 0.435 |
| | | Throw (Ft.) | 17,9,6 | 21,12,8 | 23,16,11 | 25,18,13 | 27,20,14 | 29,22,16 | 30,24,17 | 32,26,18 | 33,27,20 | 34,28,21 |

- Note:
1. Performance Data is Based on ASHRAE 70-06
 2. CFM: Standard air density and isothermal conditions.
 3. Static Pressure (SP): Inches of water gauge.
 4. Face Velocity: Face discharge velocity in feet per minute (fpm).
 5. Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face.
 6. Throw: Projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].
 7. Dashed line [-] in SP Box indicates Static Pressure is less than 0.01 in w.g.

Test Method:
 The diffuser was tested in accordance with the ASHRAE 70-2006 Standard "Method of Testing for Rating the Performance of Air Outlets and Inlets", which incorporates ADC 1062: GRD-84 Test Code for Grilles, Registers and Diffusers.