



Custom Vent Solutions

Aria Vent: OG 4X10 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
Aria OG 4"x10"	Area Factor (Ak) 0.058	CFM	45	56	67	78	90	101	112	123	134	146
		SP (in., wg)	0.042	0.066	0.094	0.128	0.168	0.212	0.262	0.317	0.377	0.443
		Throw (Ft.)	11,4,3	16,7,4	20,10,5	23,12,6	26,14,7	28,15,8	31,17,9	33,18,9	35,19,10	36,20,11

- 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.