

Airflow Ranges (No Bellmouth • Velocity Wing™ Sensor)

Type	Direct Digital		Analog Electronic		Pneumatic	
Controller	SimplyVAV / Conquest		Model 51		Model 31	
Inlet Size	Min Airflow	Max Airflow	Min Airflow	Max Airflow	Min Airflow	Max Airflow
5" Ø	45	345	22	300	49	282
6" Ø	65	515	40	421	73	420
7" Ø	90	700	65	587	98	566
8" Ø	115	900	77	712	128	739
9" Ø	145	1100	95	909	157	907
10" Ø	190	1450	129	1207	209	1205
12" Ø	280	2150	152	1704	306	1765
14" Ø	360	2800	231	2124	395	2280
16" Ø	485	3750	407	3087	531	3065

Airflow Ranges (With Bellmouth • Velocity Wing™ Sensor)

Type	Direct Digital		Analog Electronic		Pneumatic	
Controller	SimplyVAV / Conquest		Model 51		Model 31	
Inlet Size	Min Airflow	Max Airflow	Min Airflow	Max Airflow	Min Airflow	Max Airflow
5" Ø	45	350	22	305	50	287
6" Ø	75	575	45	470	81	469
7" Ø	100	750	70	635	106	612
8" Ø	135	1050	90	835	150	867
9" Ø	175	1350	115	1100	190	1098
10" Ø	215	1650	145	1355	234	1353
12" Ø	285	2200	155	1740	312	1802
14" Ø	390	3000	250	2300	428	2469
16" Ø	530	4100	447	3390	583	3366

Notes:

1. Minimum and maximum values shown are CFM
2. Minimum and maximum airflow with pressure independent controls based on the following flow sensor signals:
 Model 51 Controller - 1 VDC – 10 VDC
 Model 31 Controller - 0.03" w.g. – 1.0" w.g.
 Simply VAV / Conquest Controllers - 0.025" w.g. – 1.5" w.g.
3. Settings below the minimum are not recommended for accurate control when using pressure independent controls. Minimum airflow for pressure dependent applications is 0 cfm.
4. Pressure independent controls may be set for 0 CFM, at or above the minimum airflow shown in table 4, but not between.
5. Model 31 controller can be used either as direct or reverse acting for normally open or normally closed damper positions. Field adjustable start point and reset span.
6. Models 31 controllers equipped with separate adjustable knobs for maximum and minimum airflow settings.
7. Model 51 electronic analog controller maximum and minimum airflow settings field adjustable at the thermostat.
8. Airflow rates above maximum shown are available. Contact your Anemostat representative for application assistance.