

Airflow Ranges (No Bellmouth • Velocity Wing™ Sensor)

Type	Direct Digital		Analog Electronic		Pneumatic		Pneumatic	
Controller	Model ABC-7001,3		Model 51		Models 23, 24		Model 31	
Inlet Size	Min Airflow	Max Airflow	Min Airflow	Max Airflow	Min Airflow	Max Airflow	Min Airflow	Max Airflow
5" Ø	49	246	22	300	56	282	49	282
6" Ø	73	367	40	421	84	420	73	420
7" Ø	98	494	65	587	113	566	98	566
8" Ø	128	645	77	712	148	739	128	739
9" Ø	157	792	95	909	181	907	157	907
10" Ø	209	1052	129	1207	241	1205	209	1205
12" Ø	306	1541	152	1704	353	1765	306	1765
14" Ø	395	1990	231	2124	456	2280	395	2280
16" Ø	531	2676	407	3087	613	3065	531	3065

Airflow Ranges (With Bellmouth • Velocity Wing™ Sensor)

Type	Direct Digital		Analog Electronic		Pneumatic		Pneumatic	
Controller	Model ABC-7001,3		Model 51		Models 23, 24		Model 31	
Inlet Size	Min Airflow	Max Airflow	Min Airflow	Max Airflow	Min Airflow	Max Airflow	Min Airflow	Max Airflow
5" Ø	50	251	22	305	57	287	50	287
6" Ø	81	409	45	470	94	469	81	469
7" Ø	106	534	70	635	122	612	106	612
8" Ø	150	757	90	835	173	867	150	867
9" Ø	190	958	115	1100	220	1098	190	1098
10" Ø	234	1181	145	1355	271	1353	234	1353
12" Ø	312	1573	155	1740	360	1802	312	1802
14" Ø	428	2155	250	2300	494	2469	428	2469
16" Ø	583	2938	447	3390	673	3366	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.
 Models 23, 24 Controllers - 0.04" w.g. – 1.0" w.g.
 Models ABC-7001, 7003 Controllers - 0.03" w.g. – 0.76" 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 23 controller available as direct acting for normally open or model 24 controller available as reverse acting for normally closed damper positions. Factory set non-field adjustable start point and reset span.
6. 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.
7. Models 23, 24, 31 controllers equipped with separate adjustable knobs for maximum and minimum airflow settings.
8. Model 51 electronic analog controller maximum and minimum airflow settings field adjustable at the thermostat.
9. Models ABC-7001, 7003 BACnet DDC controllers are factory programmed.
10. Airflow rates above maximum shown are available. Contact your Anemostat representative for application assistance.