

Airflow Ranges (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	100	251	100	305	100	287	100	287
6" Ø	100	409	100	470	100	469	100	469
7" Ø	200	534	200	635	200	612	200	612
8" Ø	200	757	200	835	200	867	200	867
9" Ø	300	958	300	1100	300	1098	300	1098
10" Ø	300	1181	300	1355	300	1353	300	1353
12" Ø	400	1573	400	1740	400	1802	400	1802
14" Ø	428	2155	400	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.