



## ASHRAE 62.2 ventilation requirement

Quick look up chart

	Square footage									
	500	1000	1500	2000	2500	3000	3500	4000	4500	5000
1	20	25	30	35	40	45	50	55	60	65
2	28	33	38	43	48	53	58	63	68	73
3	35	40	45	50	55	60	65	70	75	80
4	43	48	53	58	63	68	73	78	83	88
5	50	55	60	65	70	75	80	85	90	95
6	58	63	68	73	78	83	88	93	98	103
7	65	70	75	80	85	90	95	100	105	110
8	73	78	83	88	93	98	103	108	113	118
9	80	85	90	95	100	105	110	115	120	125
10	88	93	98	103	108	113	118	123	128	133

**Bedrooms**

**CFM required** based on:  $7.5\text{cfm} \times (N+1) + A \times 0.01$

Where N = number of bedrooms, A = square footage

**To configure the AirCycler FRV controller:**

Measured airflow / Required airflow =

Fraction of ventilation period fan needs to run with damper open

Step 1: Measure air flow through fresh air duct

Step 2: Using a 1 hour ventilation period, divide measured airflow by required airflow from above chart

For example: measured fresh air flow = 120 CFM

Required airflow = 30 CFM

$30 / 120 = 0.25$  therefore the fan will have to run

and the damper will have to be open 1/4 of the hour.

Set FAN ON time = 15 minutes

Set FAN OFF time = 45 minutes

Set VENT ON time = 15 minutes

Set VENT OFF time = 45 minutes