Garbage Bag Flow for Measuring Register Flows

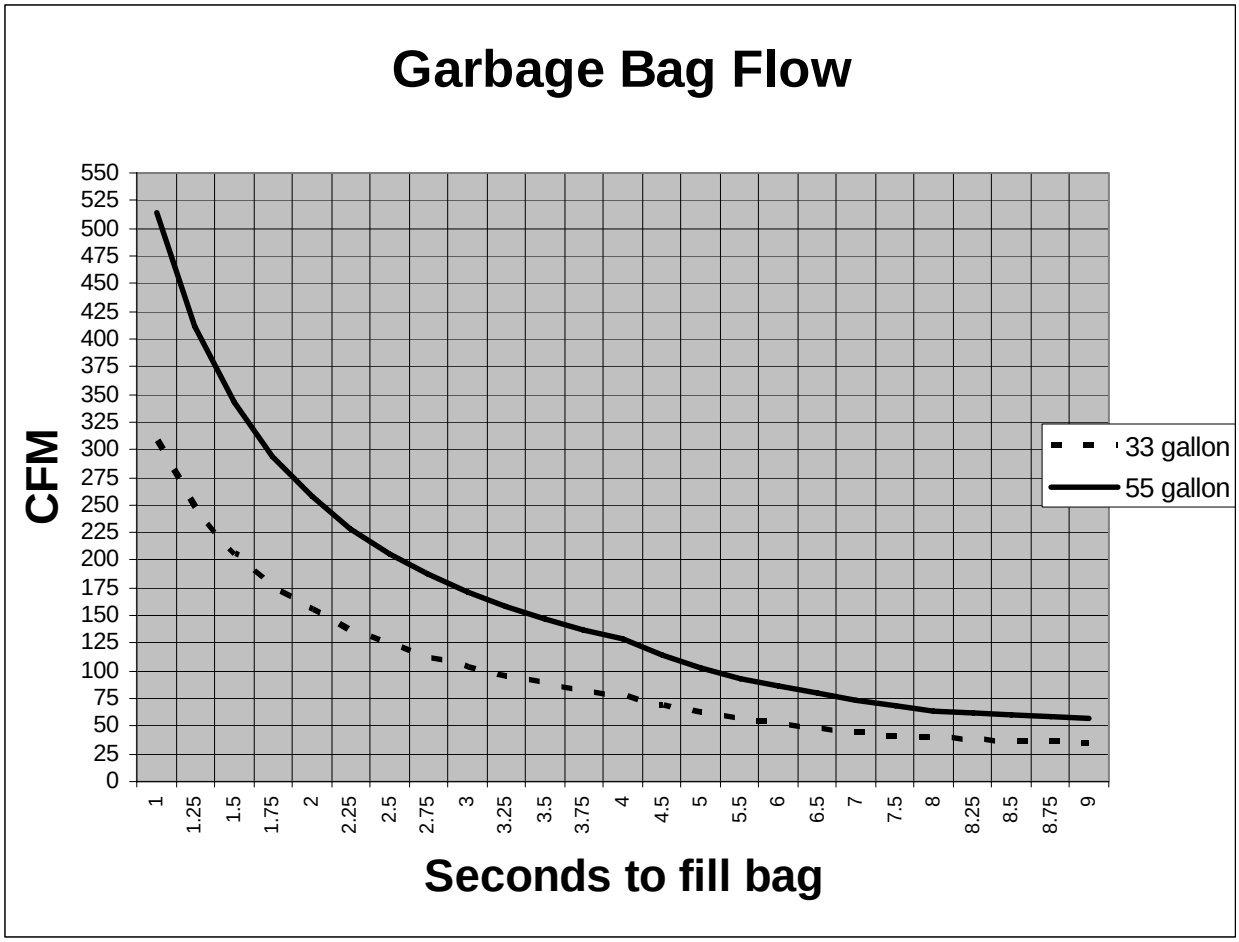
- Use familiar sizes (if 33/55 gallons can use graph on next page)
- An adapter (throat) from register to bag can help
- Start stop watch as soon as bag is on register; stop when bag is ***just*** full
- Take several readings and average them if needed
- Most accurate for air around 70° F (standard air is 68° F)

Garbage bag formula:

$$\frac{\text{(bag size in gallons)} \times 0.156 \text{ ft3/gallon} \times 60 \text{ sec/minute}}{\text{seconds to fill bag}} = _____ \text{ CFM}$$

Example:

$$\frac{55 \text{ gallon} \times 0.156 \text{ ft3/gallon} \times 60 \text{ sec/minute}}{4 \text{ seconds to fill}} = 129 \text{ CFM}$$


Garbage Bag Flow
CFM
550
525
500
475
450
425
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
1
1.25
1.5
1.75
2
2.25
2.5
2.75
3
3.25
3.5
3.75
4
4.5
5
5.5
6
6.5
7
7.5
8
8.25
8.5
8.75
9
Seconds to fill bag
33 gallon
55 gallon