

Jobsite Containment: How much CFM do I need?

When setting up a negative pressure containment, how do you know how much CFM is required?

In order to accurately answer this question, there are a few factors you need to know.

1. What is the cubic footage (L x W x H) of the containment?
2. What is the CFM rating of the negative air machines you're using?
3. How many air changes per hour (ACH) do the guidelines/regulations for your application recommend?



Once you know these factors, you can use this formula to calculate how many machines you require in the containment you're building.

CFM Formula

Cubic Feet of Area ÷ 60 x #ACH ÷ CFM of machine

Example:

1. 100,000 Cubic Feet of containment area
2. Beast2000 = 2000 CFM
3. Looking for 6 ACH based on local asbestos abatement guidelines $100,000/60 = 1,666.67 \times 6$ (ACH)
 $= 10,000 \div 2000$ (CFM) = 5 machines



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