

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.

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

CFM Formula

Cubic Feet of Area \div 60 x #ACH \div CFM of machine



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