

01 - I am not 100% certain that only 0.1 CFM/W drop for the expected reduction in performance due to static pressure associated with the filter is enough. Two reasons for that, one is because you can use pleated filters or a smooth/flat air filter and the drop of these filters are different. The other point is I am not sure only 0.1 (3.8 to 3.7) is enough for this drop.

02 - We are here talking about indoor air quality, so when we are using a filter in a supply fan, we really need to guarantee the filtration of the air. One important point is the velocity of the air through the filter. If the motor is very strong or the filter is very near of the motor, the velocity of the air can exceed the recommendation of less than 3.0 m/s (9,84 ft/s or 590 ft/min). If the air velocity through the filter exceeds this, you do not guarantee the filtration of the air. I think this is very important for EPA to consider in the new version, because some companies can make strong motors with very near pleated filters to only have 0.1 CFM/W lost, but the filter will only be there for you to see and will not filter the air.

Rafael Munhoz
rafael@sicflux.com
Sicflux