Vented Speakers Vs. Sealed Speakers

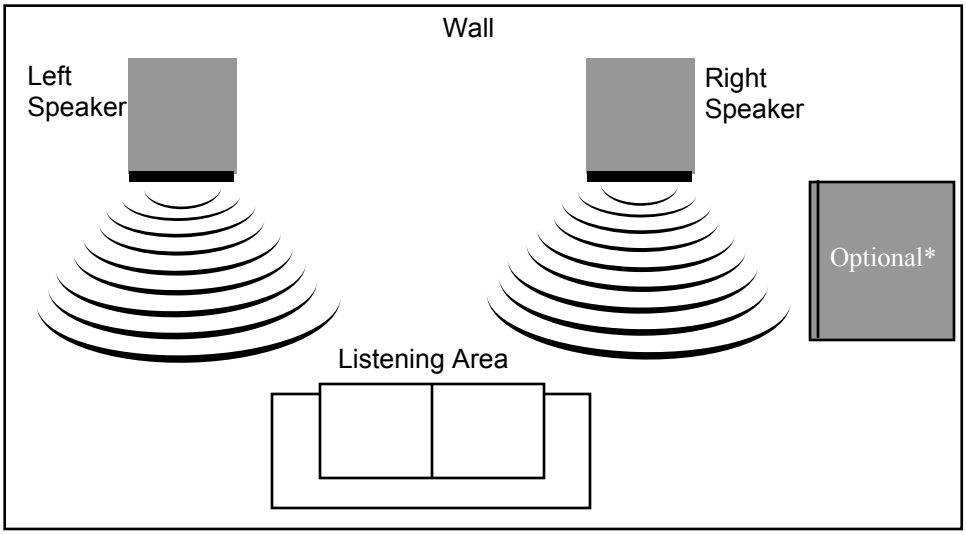
Below are two diagrams that are used to demonstrate how sealed (acoustic suspension) and vented speakers are used and placed. This will determent what type of speakers are best for your audio setup.

Sealed Speakers Setup

Advantages
Sealed speakers are small and can integrate with a subwoofer. Accurate bass reproduction.

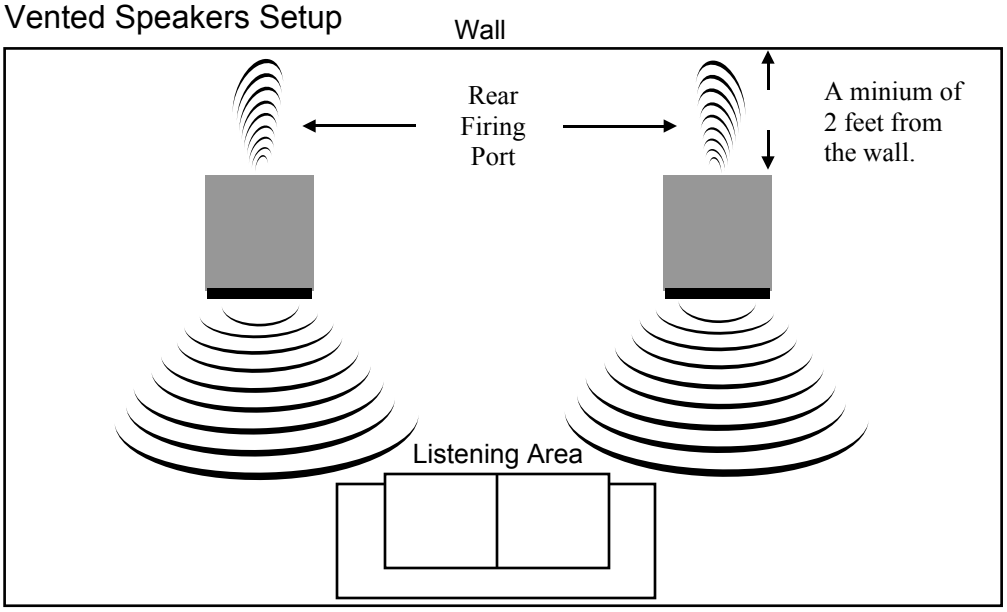
Disadvantages
Usually small sealed speakers have a higher bass frequency response (than vented speakers) which results in less bass response

NOTE:
*A subwoofer may be needed for deep bass response, if using small sealed speakers.



Sealed speakers are idea for those who want accurate bass response and want to integrate their speakers with an subwoofer for added bass or home theater. Usually sealed speakers are smaller in size and require more amplifier power to achieve solid bass response.

Vented Speakers Setup



Advantages
Extended bass response and requires less amplifier power (wattage).

Disadvantages
Vented speakers are usually Larger in size and requires to be place further from the wall if rear vented. The drawn back is that Bass frequency is cutoff

Vented (ported) speakers are idea for those who want deep bass response or close to full range of sound without the use of a subwoofer. Usually, vented speakers are larger in size but require less amplifier power to achieve higher SPL (Sound Pressure Levels).