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Subject: Re: push-pull - isobarik bass

Posted by [dB](#) on Sun, 28 May 2006 08:34:59 GMT

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Very nice. Thanks for your explanation Wayne. Now I have another question. When I check with WinISD software for a vented box, for a 10" speaker, it gives a nice one with about 80L(2.8cf3) in the 40Hz-1KHz band freq. If I go with isobarik it gives a well developed -- and robust -- frequency response curve with one (box) of only 50L(1.7cf3) in the 30-500Hz band freq. But the freq. resp. band is now reduced to about 500Hz. What happens to the freq between 500Hz and 1K? Is the electrical output being "spread" by the (two) isobarik speakers so it gives a dim output on the midhighs around 1KHz, and the lows working like a piston develop a better response, like a stronger motor "with twice the strength"? In this case, if I use the isobarik design, I will have to change the crossover frequency from 1KHz to about 500Hz for an even output and nice crossover to the lowmids and upper bands(?). Am I correct? Is the loss in power (500Hz-1KHz) virtually measurable and degraded by such a respectable amount or only approximate? Best Regards.

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