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Posted by [Wayne Parham](#) on Fri, 05 Nov 2004 17:51:21 GMT

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I like the concept too. Honestly, I can't find any disadvantages. If a basshorn is driven by a pair of radiators, it makes sense to connect them this way so that the front chamber serves as a harmonics cancellation plenum. It's the perfect application for this, since the front chamber partially contains the pressures from the two drivers and distortion causing asymmetries should be cancelled quite well. The front chamber volume is larger than some others, but it can be partially filled with solid material to reduce volume, if necessary. The front chamber acts as a low pass filter, so on a basshorn, it isn't a bad thing. That will serve to reduce harmonics even further, just like the horn folds do. All the other characteristics of this "push-pull plenum" horn are the same as any other horn. It's just the harmonics cancellation feature that's different, and that's done with a very simple mechanism of turning one driver around.

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