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Subject: Re: starting construction on bass horn ?

Posted by [Bill Fitzmaurice](#) on Sat, 26 Jun 2004 19:14:24 GMT

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The front chamber would be the volume of the air space between the cone and the baffle if there is no other separate compartment. The front chamber size in combination with the throat size affects LP filtering and  $F_s$  alteration.  $X_{max}$  is a one way measurement but it is only considering the voice coil overhang, not potential excursion. Some manufacturers list the destructive  $X_{max}$ , which is when the coil hits the backplate, and that's the depth you'd use for the spacer, inclusive of the driver gasket. If you can't find the destructive  $X_{Max}$  then go with twice the regular  $X_{Max}$  to be safe.

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