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Subject: Re: diffractionless compression drivers

Posted by [Wayne Parham](#) on Mon, 23 Jun 2008 22:58:57 GMT

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You're right that there is diffraction within driver, itself. The compression chamber and phase plug cause diffraction before it ever enters the horn. I suppose you could remove the phase plug and compression chamber, putting the diaphragm at the entrance of the throat and having throat area equal to diaphragm area. But that would reduce efficiency and bandwidth, so I'm not sure it would be a trade you would want to make.

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