Subject: Bandpass subs
Posted by Ranier on Thu, 16 Sep 2004 17:19:15 GMT
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What are the advantages and disadvantages of bandpass subs? Do they add gain or do they offer greater bass extension or both? I am looking at some options right now.Ranier

Subject: Re: Bandpass subs
Posted by Bill Fitzmaurice on Fri, 17 Sep 2004 13:02:26 GMT
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Two advantages. One, you don't have to do as much electronic filtering to remove unwanted high-frequencies from the passband. Two, the added mass loading of the driver by the second chamber lowers the potential passband frequency. It is possible to tune a bandpass box to achieve some gain, but so doing also narrows the passband, so that is not the usual reason for using a bandpass box.

Subject: One more advantage...
Posted by mollecon on Tue, 28 Sep 2004 13:14:48 GMT
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..is the reduced diaphragm excursion, maintained over almost the entire bandpass of the sub. This also mean you can EQ a bandpass sub in the bottom end. I use a BP-sub (DIY) with a Peerless 10" driver in a box of ~80 liters (active volume) - it goes from 28Hz to 75Hz (no EQ'ing), -3dB.