Subject: Wayne...
Posted by Adam on Tue, 29 Jan 2002 13:07:36 GMT
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Hey dude,Sorry for the constant blabbering every day with questions, but what can I say... You don't learn if you don't ask...It occured to me yesterday that the 'cup' behind the compression diaphram on the PSD 2002's is a highly reflective surface and might be hurting the quality of the sound. I was thinking of putting a bit of polyfill in there or even cutting the back off of my compression drivers and adding on a lined and stuffed termination chamber to obsorbe the back wave. However I figured this chamber is important for the operation of the driver.What do you think?Adam

Subject: Rear chamber of compression horns
Posted by Wayne Parham on Tue, 29 Jan 2002 19:01:42 GMT
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The back chamber volume is a property similar to the cabinet volume of a sealed box speaker. Its volume combines with the mechanical compliance of the diaphragm surround. This sets the resonant frequency of the motor/diaphragm system, which, in turn, interacts with other horn properties.