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Subject: Diaphragm size of compression drivers, does it affect performance?

Posted by [Adrian Mack](#) on Sat, 01 Mar 2003 09:05:42 GMT

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Hey everyone. After going through the audioasylum pi speakers/high efficiency forum, it made me think about the compression drivers I will be buying. This guy said that the diaphragm size matters. For instance, a compression driver with 1" throat, will sound better with a 3" diaphragm than a 2". Is this true? Also I cannot find any 1" throat drivers with a diaphragm as large as 3" (although 2" throat drivers do have 4" diaphragms). Does anyone know the diaphragm size of the P.Audio 1" throat compression drivers? Thanks in advance! (but only if you decide to help, haha). Adrian

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Subject: "Size matters"

Posted by [Wayne Parham](#) on Sat, 01 Mar 2003 18:52:26 GMT

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Large diaphragms can work at lower frequencies, but are less able to perform well at higher frequencies. But as for changing the size of the diaphragm in a compression driver, that's like changing the cone size of a 10" woofer. The compression driver you buy will have a specific size diaphragm, and if you want a different size, you buy a different driver.