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Subject: Theater 4 or 3 Pi in Onken enclosure?  
Posted by [Tightwad](#) on Wed, 11 Feb 2004 15:48:23 GMT  
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Any thoughts on this idea? I've searched the archives and not seen it.

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Subject: Re: Theater 4 or 3 Pi in Onken enclosure?  
Posted by [Wayne Parham](#) on Thu, 12 Feb 2004 04:21:08 GMT  
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along both sides. It is an attractive design though, and I see no reason why it wouldn't work just fine.

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Subject: Re: Theater 4 or 3 Pi in Onken enclosure?  
Posted by [JLapaire](#) on Fri, 13 Feb 2004 11:29:08 GMT  
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Tightwad, I can't see the image in your post - is it similar to the above? I've used deep slots for tuning with some success when for whatever reason a tube wouldn't fit. I think they're more resistive than tube ports though and care is needed when the height/width ratio gets large. John

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Subject: Re: Theater 4 or 3 Pi in Onken enclosure?  
Posted by [Tightwad](#) on Fri, 13 Feb 2004 18:03:50 GMT  
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Yes, exact same thing. Here's a link to the page from which the picture comes. It's the original Jensen Ultraflex design. I've found an Onken calculator (Excel spreadsheet) online which yields volume and vent numbers from T-S params.  
<http://www.studiomaudio.com/onken.html>

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Subject: Re: Theater 4 or 3 Pi in Onken enclosure?

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Posted by [HenryW](#) on Sun, 15 Feb 2004 14:39:26 GMT

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This is a very nice look and has possibilities - can you give me the link to the calculator?

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Subject: Onken calculator

Posted by [Tightwad](#) on Tue, 17 Feb 2004 17:49:46 GMT

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Here is a direct link to the Excel file, from James Melhuish's web site. I believe an Onken bass box is still the standard accompaniment to the Oris horns, so if you are interested check out Oris's web page. I have tried hunting around for Onken's article on the design, with little luck.

[http://melhuish.org/audio/download/ONKEN\\_CALC.xls](http://melhuish.org/audio/download/ONKEN_CALC.xls)

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