
Subject: Meniscusaudio Inductors
Posted by [mantha3](#) on Wed, 06 Jun 2012 17:59:43 GMT
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I'm thinking of using these Inductors for some 4PI speakers... Anyone have any experience with this brand?

<http://meniscusaudio.com/100mh-14-ga-p-693.html>
<http://meniscusaudio.com/150mh-14-ga-p-695.html>
<http://meniscusaudio.com/050mh-14-ga-p-683.html>

Subject: Re: Meniscusaudio Inductors
Posted by [Bill Epstein](#) on Thu, 07 Jun 2012 02:02:16 GMT
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They're more expensive than the Jantzen 15ga. Parts Express sells and Wayne furnishes with the upgraded kit. I didn't take the time to compare the DCRs but that would be the important thing, not that a few ohms makes much difference.

The one sure thing in audible choices is to go with Erse steel core when it comes to deep bass.

Subject: Re: Meniscusaudio Inductors
Posted by [mantha3](#) on Thu, 07 Jun 2012 12:46:31 GMT
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I like Deep Bass!

Erse Steel core

I see the 14 GA Super Q Coil from Erse... Do you run with these? Do you run these in all 3 spots on the crossover?

<http://www.erseaudio.com/Products/SuperQCoils14Gauge>

These look nice!

Subject: Re: Meniscusaudio Inductors
Posted by [Wayne Parham](#) on Thu, 07 Jun 2012 14:07:10 GMT
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We use Erse Super Q (laminated steel-core) coils in the constant directivity cornerhorns - but do not use them in the matched-directivity two-ways. The woofer in the cornerhorns is only used for

bass and so an iron core is fine. But the two-ways run the woofer through the midrange, and I suggest air-core coils only for them.

Subject: Re: Meniscusaudio Inductors
Posted by [Bill Epstein](#) on Thu, 07 Jun 2012 15:36:30 GMT
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Wayne Parham wrote on Thu, 07 June 2012 10:07
We use Erse Super Q (laminated steel-core) coils in the constant directivity cornerhorns - but do not use them in the matched-directivity two-ways. The woofer in the cornerhorns is only used for bass and so an iron core is fine. But the two-ways run the woofer through the midrange, and I suggest air-core coils only for them.

Yes! Don't do what I say, do what I do!

File Attachments

1) [IMG_1396_1.JPG](#), downloaded 2994 times

Subject: Re: Meniscusaudio Inductors
Posted by [mantha3](#) on Thu, 07 Jun 2012 15:37:33 GMT
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Ok, Thanks Wayne. I'll run air for sure.

Subject: Re: Meniscusaudio Inductors
Posted by [Wayne Parham](#) on Thu, 07 Jun 2012 17:34:34 GMT
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Just to clarify: I think Bill's suggestion "to go with Erse steel core when it comes to deep bass" is good, but only when it really is "deep bass". If midrange runs through the coil, it needs to be an air-core coil. I think a good rule of thumb is to limit iron-core coils to woofer circuits used below 300Hz, maybe 500Hz tops. Above that, the inductance required is small enough that an air-core coil is not all that large anyway. Helps reduce hysteresis and saturation, and the resulting intermodulation distortion that is caused by it.

Subject: Re: Meniscusaudio Inductors
Posted by [mantha3](#) on Thu, 07 Jun 2012 18:48:53 GMT
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Right on. I'll keep that in mind.

Bill, On each of your crossovers you have 2 large black capacitors. One real tall standing up on your crossover and then another about half the height. What is the scoop on what you are using? If I may ask.

Thanks,
Andy

Subject: Re: Meniscusaudio Inductors
Posted by [GarlandB](#) on Wed, 13 Jun 2012 16:53:29 GMT
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Hi Mantha3,

I'll jump in here for Bill. The Caps you see are Obbligato film and oil caps. They are very good for their price and are affordable for the highish values you need for crossovers. I used to use motor run caps from GE but now also use the Obbligatos in my 4 Pis. Really good stuff. I also use them as parafeed caps in my tube amps/preamps.

Garland
