

---

Subject: Re: Horn Throat Constriction

Posted by [PointSource](#) on Sun, 07 Jun 2015 03:13:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I got the idea that it might work from some old Altec Mantaray HF horns, which would collapse in the horizontal before expanding again. If such can pass HF, then why not midrange / midbass? The total throat area is just under 20in<sup>2</sup> for each 10" cone, so the front chamber area isn't too large (was also thinking about filler). The passage collapses to 2.25" horizontally while the vertical remains the same as the throat height.

Of course, the Mantarays are expanding in the vertical thru the point of constriction, and the mid horn doesn't.

I'm exploring theoretical plausibility for the time being. If the negative responses outweigh the positive, then I've saved time & resources.

---