Subject: Re: Bass Horn with & without Rubber Throat
Posted by DMoore on Fri, 25 Apr 2008 02:45:52 GMT
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In the case of the LS/Belle (and Jubilee) I figure that the non-expanding column was just a device to transfer impedance 1:1 (discounting losses due to viscosity) existing so that the driver had lateral room enough to be extracted from the back chamber. The Khorn definitely DOESN'T have a non-expanding column in its pathway, and it, too, changes flare rates, so there is ample room for doubt. I just brought it up for discussion purposes. Just something to think about. The flare changes at the folds make sense though, easiest to accomplish. The parallel wall cross-section lengths of the non-expanding channels are far too short to be much of a sub-multiple of the wavelengths being produced, so standing waves are highly unlikely, rather it is just an approx. 1:1 impedance transfer conduit over a short distance for strictly practical reasons, IMO.DM