Subject: hornworks
Posted by DanTheMan on Sat, 30 Dec 2006 16:42:02 GMT
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I've got a question er two. What would be the effects of adding DynaMat or similiar material to the sound path of a horn(front chamber and horn area)? And what is the effect or purpose of the front chamber and what would ne the effect of eliminating it? In other words, what purpose does it serve? I know it will increase pressure, but what is the advantage of that? And the disadvantage? Would you loose efficiency, but gain bandwidth by removing it? Sorry if I'M being redundant. Thanks for any reply in advance!Dan

Subject: Re: hornworks
Posted by Bill Wassilak on Wed, 03 Jan 2007 16:44:19 GMT
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::What would be the effects of adding DynaMat or similiar material to the sound path of a horn(front chamber and horn area)?Attenuated hi frequencies.::And what is the effect or purpose of the front chamber and what would be the effect of eliminating it? In other words, what purpose does it serve?It acts a a low pass filter. So eliminating it would let higher freq. pass.::I know it will increase pressure, but what is the advantage of that? And the disadvantage?Horn gain-over a narrower bandwidth, disadvantage-less efficent horn.::Would you loose efficiency, but gain bandwidth by removing it?Yes.HTHBill W.

Subject: Re: hornworks
Posted by DMoore on Sat, 06 Jan 2007 00:46:34 GMT
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ditto what Bill said.Also think of the front chamber as a capacitive space, exactly like putting a capacitor across the terminals, it reduces high frequencies along with a reduction in reactance.Removing it allows the bandwidth to be determined by the driver/throat/horn Fc combination.