

---

Subject: What's The Difference Between A Horn And...

Posted by [Fresno](#) on Fri, 29 Oct 2004 21:35:35 GMT

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

---

A Bass Reflex?Fresno

---

---

Subject: Re: What's The Difference Between A Horn And...

Posted by [Fresno](#) on Sat, 30 Oct 2004 14:00:36 GMT

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

---

But what is the structural difference? Based on looking at pictures, it looks like horns have a hard surface (wood or plastic) that vibrates the sound out rather than a paper cone.If that is correct, is the "thing" that vibrates the wood or paper the same thing?Fresno

---

---

Subject: Re: What's The Difference Between A Horn And...

Posted by [Wayne Parham](#) on Sat, 30 Oct 2004 14:25:24 GMT

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

---

The horn and the radiating diaphragm are two separate things. The diaphragm can be made of any material, just like a direct radiating speaker. You'll see paper, plastic, cloth, metal and composites.Compression horns put more pressure on the radiating diaphragm than it would have without the compression chamber. There is a constriction in area between the diaphragm and the horn throat which causes pressure to be higher than it would be in free air or mounted on a baffle. So for this reason, the radiating membranes on drivers that are designed to be used on horns are often made more rigid than general purpose drivers.

---

---

Subject: Re: What's The Difference Between A Horn And...

Posted by [Wayne Parham](#) on Sun, 31 Oct 2004 03:48:21 GMT

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

---

A horn is like a megaphone. It is designed to point the sound, and make it louder in a targeted area. A bass reflex speaker is not directional. It's main feature is that it uses a Helmholtz resonator to improve bass response.

---

---

Subject: Re: What's The Difference Between A Horn And...

Posted by [Rory B.](#) on Fri, 05 Nov 2004 12:26:04 GMT

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

---

The horn and the enclosure panels themselves do not vibrate. Instead, the horn shape acts as a waveguide to the sound produced by the driver.

---