

## Re: Venturi question

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- *From:* [matt271829-news@xxxxxxxxxxxx](mailto:matt271829-news@xxxxxxxxxxxx)
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matt271829-news@xxxxxxxxxxxx wrote:

As you say, various different potential cooling processes have been mentioned. If expansion of the gas is in some way involved then I'm not at all sure where this is supposed to occur – you say that the pressure drop is greatest "at the outlet", but as I understand it the pressure is lowest in the narrowest part of the tube, which seems to imply that "expansion" would occur as the gas passes from the inlet into the narrow part. Is that wrong?

Of course, I'm assuming that lower pressure = lower gas density = expansion of gas, and higher pressure = higher gas density = compression of gas. However, I'm starting to wonder about this. Is it possible that the lower pressure in the narrow part of the venturi tube is NOT actually associated with a lower gas density there? Don't know.