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Subject: Re: paradigm shift

Posted by [Wayne Parham](#) on Tue, 25 Oct 2005 01:21:47 GMT

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Yes, I agree with you about the bug screen. Somewhere in one of these threads, I made a similar observation. By removing the mesh, you remove an obstruction. And since it isn't just about area, but also about turbulence verses laminar flow, there is complex fluid flow motion to consider.

A round pipe is one thing, but when it has an obstruction or a bend or something else, then the flow and pressure drop is best measured on a flow bench. The only thing that concerns me is those HL10C vents are already pretty small. I am comfortable with the cooling plug in the LAB12 because I have done so many measurements. I think it is reasonable to assume it will work well in an HL10A also, because displacement is lower so velocity is probably lower too. But the HL10C is a different animal, and you'll probably want to do a few measurements to check it out.

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