Subject: Radiator dimensions
Posted by Clemens Adler on Fri, 04 Feb 2005 13:04:18 GMT
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Hello chamber builders and testers,

the excel file from Wolfgang Verhoeven with the radiator dimensions from where the posisions of the bars in the radiators can be extracted can be found at:
http://www.physi.uni-heidelberg.de/~adler/TRD/040205radiatormasse.xls

cheers,
Clemens

Subject: Re: Radiator dimensions
Posted by Herbert Stelzer on Mon, 28 Feb 2005 10:41:56 GMT
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Hello,
from the excel-table 040205radiatormasse.xls I tried to extract the positons of the bars inside the radiator. I did not succeed.
Can anybody help me ???
Herbert
h.stelzer@gsi.de

Subject: Re: Radiator dimensions
Posted by Clemens Adler on Mon, 28 Feb 2005 16:00:00 GMT
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Hello Herbert,

Sorry, I didn't realize that there is in fact some additional information needed to figure out the positions of the bars.

Radiator consists of 2 (large) plates, called Fensterplatte (the side which is inside the chamber) and Bodenplatte (outside of chamber). The Bodenplatte is a bit smaller. The walls of the radiator and the bars of the compartements are made of 8mm thick Rohacell.
'Raster' indicates how many compartements are there for a certain radiator type.
'Vlieszuschnitt' corresponds very closely to the size of each compartement.

In your case (L5C1) you have dimensions of the 'Bodenplatte' of 1425x1153. 1425 is divided into 6 Compartements of 228,2mm length, the width of 1109 is divided into 5 compartements of 212,0 mm.
(228,2mm*6+8mm*7 = 1425,2, which is close enough to 1425mm etc...).
If you want to measure from the edge of the chamber(frame) you have to add the thickness of the profiles +~2mm to get to the edge of the 'Bodenplatte'.

hope that helps,
Clemens