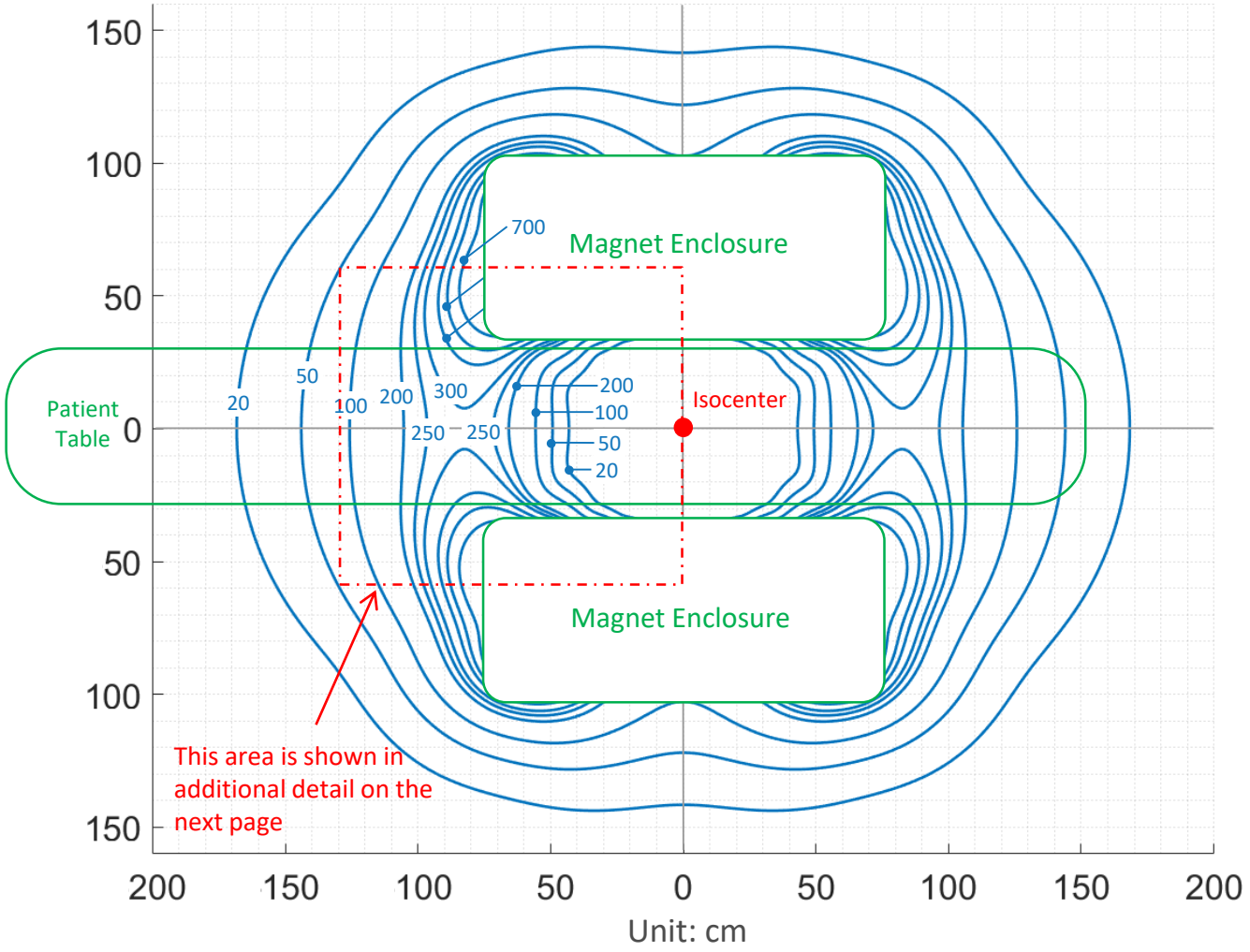
Spatial gradient contour maps for Artist systems

This contour map shows the spatial gradient for **Artist** system (which is a 1.5T system with 70cm patient bore and **DVw** magnet.)

The map covers a range of ±2 meters from isocenter along the magnet's axis, and ±1.6 meters across the magnet.

Minimum entry spatial gradient: To reach the center of the magnet requires passing through at least a SG=**291** G/cm.

The contour locations and patient bore dimensions are accurate to isocenter. However, the enclosure's exterior shape is approximate, due to differences between enclosure designs.



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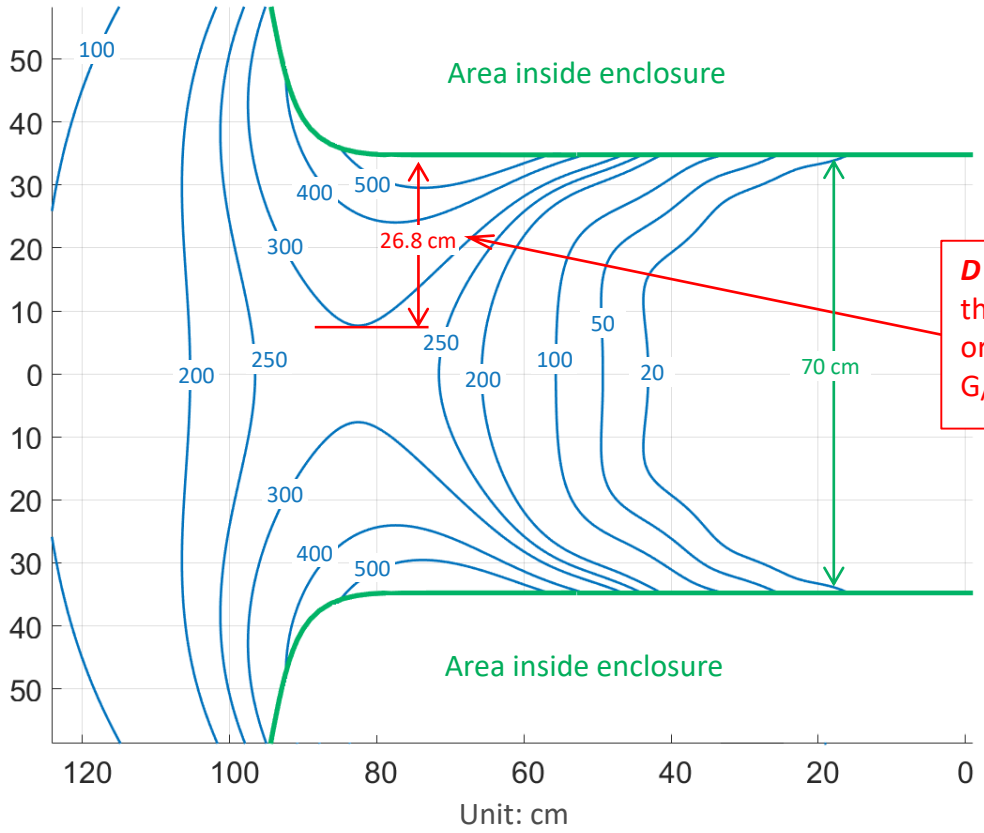
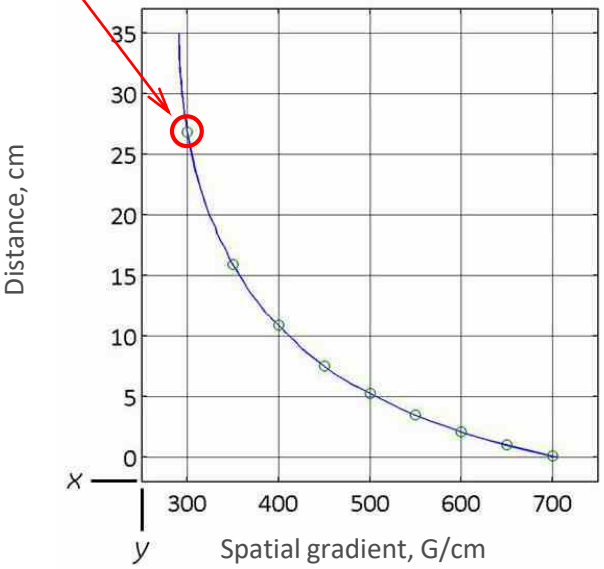
Detail contour maps for Artist systems



Spatial Gradient, G/cm	Distance ***D***, cm
<291	35*
300	26.8
350	15.9
400	10.9
450	7.5
500	5.3
550	3.5
600	2.1
650	1.0
700	0.1
≥710	0

* This is the minimum entry SG, where ***D*** reaches half of the bore diameter.

D can be read from the map, the table, or the plot. At 300 G/cm, ***D*** is 26.8 cm.



This contour map zooms in on the area near the mouth of the magnet. The map shows how far a given contour reaches pasting the bore wall. This is distance D – it can be read from the contour map, from the table or from the plot. The enclosure shape is accurate in this plot.

An example – marked in red in the plot, the table, and the graph – shows that for SG of 300 G/cm, distance D is 26.8 cm. This leaves an "opening" of 16.4 cm.

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