

Micro-CT Water Phantom

QRM-MicroCT-Water

The QRM Micro-CT Water Phantom provides full homogeneity and is easy to use for measuring noise and uniformity.

The QRM Micro-CT Water Phantom is a hollow cylinder to be filled with distilled water. It offers an intake/outlet screw in a convex closure head such that it can be used in a rotating gantry or in upright position.

The phantom is made out of PMMA and provides a wall thickness of 0.3 mm.

The standard Micro-CT phantoms are scaled down from the diameter of an average human trunk (32 cm) to that of a fat mouse or lean rat (32 mm). Dimensions other than specified here are available as well or can be produced upon request.

Specifications

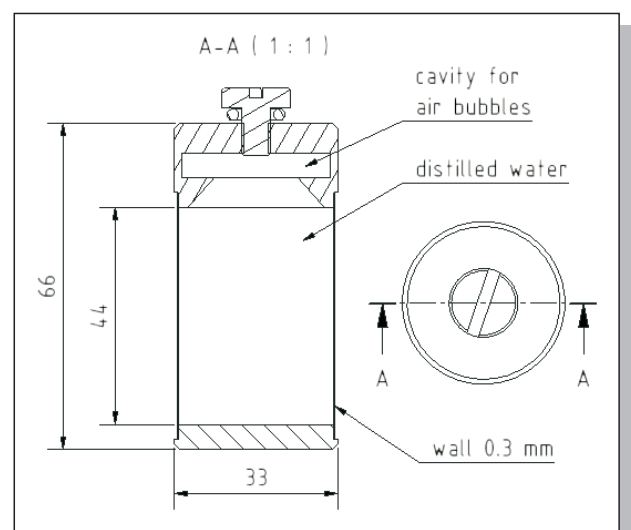
Base material	PMMA
Wall thickness	0.3 mm
Diameter	32, 20 mm or upon request
Length	66 mm
Inner length	44 mm
Weight	20 g

References:

- [1] Kalender, W., Durkee, B., Langner, O., Stepina, E., Karolczak, M.: Comparative Evaluation: Acceptance Testing and Constancy Testing for Micro-CT Scanners. *Biomedizinische Technik* 50 (2005), 1192-1193



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Dimensions of the phantom