



### Specifications

Material: ..... epoxy resins and powders to control density and radiation properties  
 Density: ..... 1.04 g/cm<sup>3</sup>  
 Flatness: ..... 0.15 mm  
 Length & width tolerance: ... ±0.5 mm (0.02 in)  
 Thickness tolerance: ..... 0.15 mm  
 Batch consistency: ..... ±0.5%

Thickness	20 x 20 cm	30 x 30 cm	40 x 40 cm
0.2 cm	457-202	457-302	n/a
0.3 cm	457-203	457-303	n/a
0.5 cm	457-205	457-305	457-405
1 cm	457-210	457-310	457-410
1.5 cm	457-215	457-315	457-415
2 cm	457-220	457-320	457-420
3 cm	457-230	457-330	457-430
4 cm	457-240	457-340	457-440
5 cm	457-250	457-350	457-450
6 cm	457-260	457-360	n/a

Custom cavities are available to accommodate any therapy ion chamber in sections of any size and thickness over 2 cm. Use the above model numbers and add appropriate suffix. The table below lists the most popular chambers.

Chamber model	Suffix	Chamber model	Suffix
0.6 cc Farmer	-501	A1SL	-531
0.2 cc Farmer	-517	A14SL, T14SL	-528
FC23C	-542	A16	-540
PR-06C	-507	N23343, N34035	-503
A12	-513	A10**	-534
N31003, N31013	-511B	PPC05	-503
N31002, N31010	-511C	N34001	-504
N31005, N31011	-511C	PPC40	-530
N31006, N31014	-518	P11, A11**	-512*
N31009, N31015	-550	N23342	-519
CC01	-533	PS-033**	-508
CC13	-532	NACP	-599

\* Specify serial #  
 A positive (plug) is supplied with every cavity at no extra cost.  
 \*\* A positive (plug) is not available for these cavities  
 For an additional fee, scribing is available for cylindrical chamber sections. The scribing consists of a 10 x 10 cm field with crosshair markings to identify the chamber reference point.

## Solid Water<sup>®</sup> Phantom Materials

Solid Water<sup>®</sup> makes radiation beam calibration easier than ever. Designed for photon and electron beam calibrations, it eliminates the inconvenience of transporting, setting up and filling water tanks. Carefully molded and accurately machined into standard dimensions, Solid Water<sup>®</sup> can help you achieve calibrations within 1% of the true dose.

Solid Water<sup>®</sup> scatters and attenuates diagnostic and radiotherapy range x-rays the same way as water without the charge storage problems. It can be used for both photon and electron beam calibrations, including relative ionization, depth dose measurements and absolute calibrations without the need for correction and scaling factors. Ionization readings obtained in Solid Water<sup>®</sup> are virtually the same as those in liquid water for the same depth and exposure duration.

Although 30 x 30 cm slabs are most widely used and therefore considered to be a standard size, Solid Water<sup>®</sup> is also available in various thicknesses in 20 x 20 cm and 40 x 40 cm sizes.

### Certified Therapy Grade (CTG)

CTG Solid Water<sup>®</sup> is a premium product, manufactured to the most exacting quality standards. It is supplied with a Certificate of Conformance which includes the calculated elemental composition, calculated mass and volume electron densities, electron and photon transmission characteristics and measured physical dimensions. A radiograph of each slab demonstrates the product is free from voids, contamination or other artifacts. It is available in all sizes and thicknesses. Simply add suffix “-CTG” to the above model numbers.

SolidWater<sup>®</sup> is a registered trademark of Gammex RMI