

# MP3-P Phantom Tank



*Motorized 3D water phantom for horizontal radiation therapy beams for protons and heavy ions*

## Features

- ▶ High precision 3D water tank for proton and heavy ion therapy
- ▶ Size and moving range optimized for horizontal beam
- ▶ Thin entry window for highest precision

The MP3-P water tank is a 3D phantom for remote controlled scans with 100  $\mu\text{m}$  increments to determine the Bragg peak position of proton and heavy ion beams. The scanning range is 350 mm x 250 mm horizontally and 380 mm vertically. A thin exchangeable entrance window of 250 mm x 250 mm x 5 mm PMMA makes the system suitable for horizontal beams with highest precision measurements. Dual chamber holders allow the fixation of Bragg peak chambers to the MP3-P. One chamber is mounted to the entrance window outside of the water tank, the second chamber is mounted to the moving mechanism for relative dose measurements.

To operate the tank, MEPHYSTO  $mc^2$  software and TBA electronics are required.

## Ordering Information

L981236 MP3-P Water phantom, connecting system BNT

L981237 MP3-P Water phantom, connecting system TNC

L981233 MP3-P Water phantom, connecting system M

L981442 Dual chamber holder for fixation of two Bragg peak chambers 34073 to the MP3-P tank

L981423 Dual chamber holder for fixation of two Bragg peak chambers to the MP3-P tank.

Chamber type 34070 or 34080 as reference and chamber type 34070 measures depth dose distributions

- ▶ MP3-P Configured Basic Systems *page 154*