

# STINGRAY

## Integral large chamber for PBS

Faster, more accurate, relative dosimetry  
for TPS commissioning & machine QA

**PARTICLE THERAPY QA**

PROTECT +  
ENHANCE +  
SAVE LIVES



# Outstanding design for improved performance

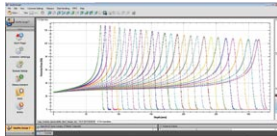
## Key benefits

- **Faster PT commissioning – earlier patient treatments**  
Stingray's unique large scanning diameter minimizes data loss in PBS scanning, thus reducing the effort typically spent to correct scan data prior to TPS import
- **More accurate commissioning and patient treatments**  
Stingray maximizes the accuracy of your scan data for higher treatment plan accuracy

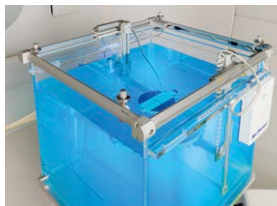
## Key features

- Modular holder enables stable vertical and horizontal chamber mounting in the Blue Phantom<sup>2</sup> or in the new PBS dedicated BluePhantom<sup>PT</sup>
- Scan analysis uses the powerful support of myQA Accept software

Stingray with largest active scan diameter: 120 mm



PBS depth profile analysis using myQA Accept

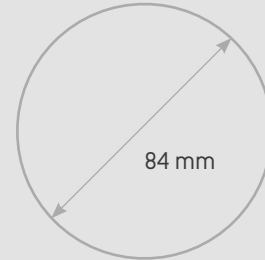


Stingray mounted in Blue Phantom<sup>2</sup>. A modular holder enables easy vertical and horizontal alignments

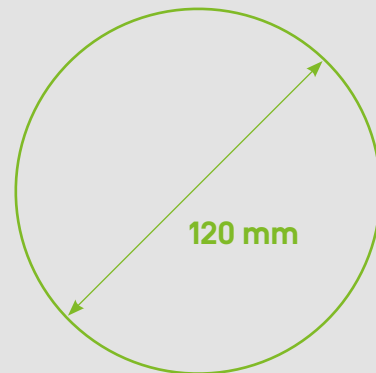
## Size matters!

More than double the scanning surface coverage compared to next biggest chamber design available!

- Other:  
Scanning surface: 55.4 cm<sup>2</sup>



- **Stingray:**  
Scanning surface: 113.1 cm<sup>2</sup>



## Your benefits

- **Minimized data loss in PBS scanning**
- **More accurate scanning data**

### Active scanning diameter

120 mm

### Gap

1 mm

### Applied bias voltage

+150 V

### Tilt possibility for chamber alignment

+/-5 degrees

### Maximum leakage

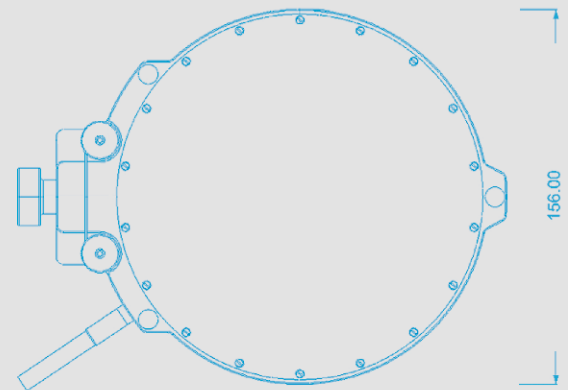
< 250 fA

### Housing material

Top cover: carbon, back cover: Peek ELS

### Equivalent wall entry – water equivalent thickness

4.9 mm



Stingray\_Flyer\_EN\_Rev.4\_0717 | © IBA 2017 | All rights reserved.  
Manufacturer: IBA Dosimetry GmbH

## IBA Dosimetry

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# DOSIMETRY

