

# NEMA PET Scatter Phantom

*Designed specifically for NEMA Standard NU2-2001*

The CIRS Model 800 PET Scatter Phantom is a solid right circular polyethylene cylinder with a specific gravity of  $0.96 \pm 0.01$ . A  $6.4 \pm 0.2$  mm hole is drilled parallel to the central axis of the cylinder, at a radial distance of  $45 \pm 1$  mm.

For ease of handling the cylinder consists of three segments that are assembled during testing.

The test phantom line source insert is a clear polyethylene plastic tube of 800 mm in length, with an inside diameter of  $3.2 \pm 0.2$  mm and outside diameter of  $4.8 \pm 0.2$  mm. The central tube can be filled with a known quantity of activity and threaded through the 6.4 mm hole in the test phantom.



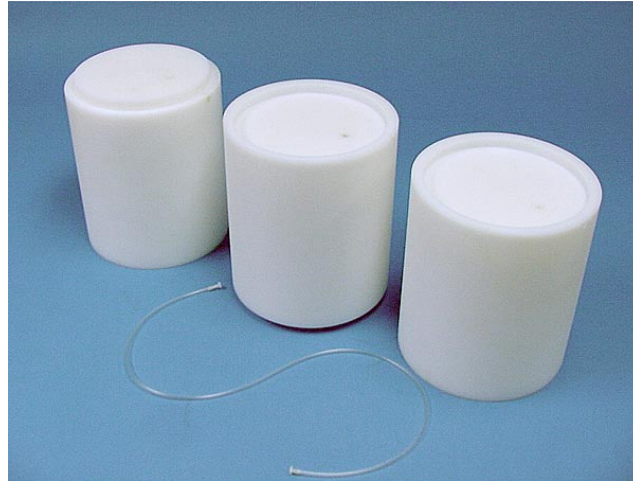
**Model 800**

## Features

- Designed to test scatter fraction, count losses and random measurements in accordance with NEMA-NU2-2001
- Three piece construction for easier handling
- Hard sided, foam lined case included

# Model 800 Specifications:

Total Length (3 pieces) : 700 mm  
Diameter : 203 mm  
Phantom Weight with case : 35 kg  
Phantom Weight : 21 kg  
Material : polyethelene  
Density : .96 grams/cc



Hard sided, foam lined carrying case and copy of NEMA standard included with purchase.