

NEMA PET Scatter Phantom

Model 800



DESIGNED SPECIFICALLY FOR NEMA STANDARD NU2-2007

The CIRS Model 800 PET Scatter Phantom is a solid right circular polyethylene cylinder with a specific gravity of 0.96 ± 0.01 . A 6.4 ± 0.2 mm hole is drilled parallel to the central axis of the cylinder, at a radial distance of 45 ± 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 ± 0.2 mm and outside diameter of 4.8 ± 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.

Features

- Designed to test scatter fraction, count losses and random measurements in accordance with NEMA-NU2-2007
- Three piece construction for easier handling
- Foam lined carry case included

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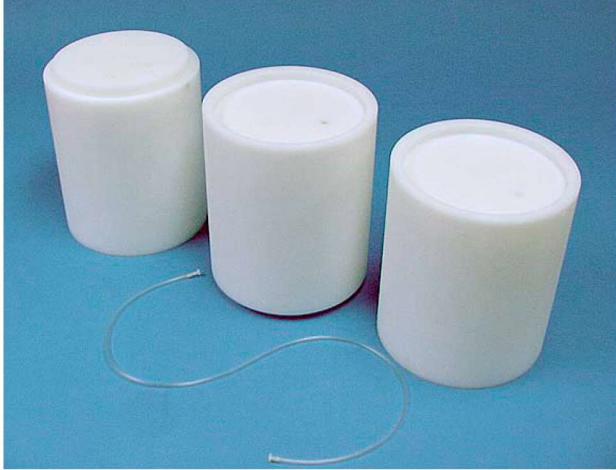
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SPECIFICATIONS

TOTAL LENGTH (3 PIECES):	70 cm (27.6")
DIAMETER:	20.3 cm (8.0")
PHANTOM WEIGHT:	21 kg (46.3 lb)
MATERIALS:	Polyethylene
DENSITY:	0.96 g/cc

MODEL 800 INCLUDES

QTY	DESCRIPTION
3	Polyethylene section drilled to accommodate assembly rod and line source
1	Line Source
1	Threaded rod for phantom assembly
2	Knurled knobs for phantom assembly
2	End plates for phantom assembly
1	Carry Case
1	NEMA NU2-2007 Standard