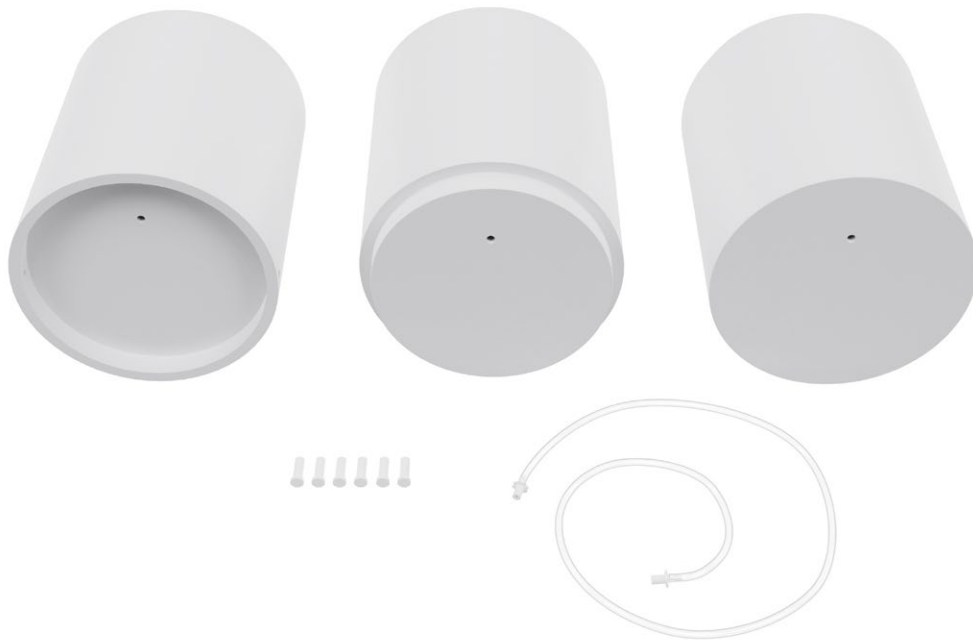


# Pro-NM PETscatter

08-802



**The PET scatter phantom is an acceptance testing tool used to determine the imaging systems relative sensitivity to scatter radiation.** It can be used to measure the effects of dead-time and the effects of random events generated at different levels of activity of the line source.

The test phantom is a right circular cylinder composed of polyethylene. For ease of handling, it consists of 3 segments that are assembled together during testing. A hole is drilled parallel to the central axis of the cylinder, at a radial distance of 45 mm.

## Technical data (can be modified to customer specifications):

- cylinder
  - outside diameter: 203 mm
  - length: 700mm
  - hole diameter: 6.4 mm
  - hole offset from the central axis: 45 mm
- line source
  - outside diameter: 4.8 mm
  - length: 800 mm
  - inside diameter: 3.2 mm
- carrying case



## Product features:

- Complies with:
  - NEMA Standard (NU 2-2007)
  - NEMA 2012 Standard
- CE certified
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration