

# Small Flangeless SPECT Phantom™



ACR Small Flangeless SPECT Phantom™

## Small Flangeless SPECT Phantom™ Model ECT/SM/P

### Main Features:

- For use with high spatial resolution SPECT systems.

### Main Applications:

- System performance evaluation (collimator, artifacts, calibration, reconstruction parameters).
- Acceptance testing
- Routine quality assurance and control
- Evaluation of center-of-rotation error
- Evaluation of non-uniformity artifact
- Evaluation of changes of radius-of-rotation on spatial resolution
- Evaluation of reconstruction filters on spatial resolution
- Evaluation of attenuation and scatter compensation
- Research
- ACR recommended phantom for small field of view dedicated cardiac SPECT systems (Camera Specific)

### Specifications of Cylinder:

Overall length: 23.0 cm  
Inside diameter: 14.0 cm  
Outside Diameter: 15.3 cm  
Wall thickness: .64 cm  
Inside length: 15.0 cm

### NEW Cylinder Twist and Lock Lid Design!

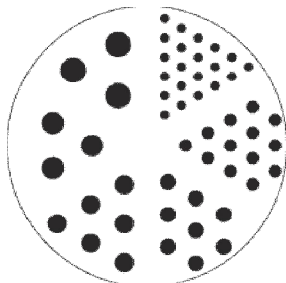
Lid closure mechanism: Bayonet-style with Lock Screw to prevent accidental opening; O-ring seal

### Specifications of Insert:

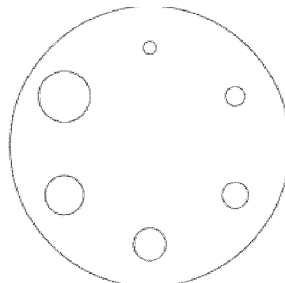
Cold Rod diameters: 4.8, 6.4, 7.9, 9.5, 11.1 and 12.7 mm  
Height of cold rods: 4.0 cm

### Specifications of Spheres:

Solid sphere diameters: 6.4, 9.5, 12.7, 15.9, 19.1, and 25.4 mm  
Height above inside base plate: 7.85 cm  
Sphere circle pattern diameter: 9.7 cm  
Angular Spacing: 60°



Cold Rods



Cold Spheres