

DRY CHAMBER

Features:

- Perfect for irradiation of larger samples (neutron beam is 60 cm × 60 cm wide).
- A fission plate can be used to harden neutron spectra.
- A special trolley can be used to drive samples inside the thermalizing column (block connecting dry chamber and reactor core).
- Smaller samples can be inserted using rail which connects the dry chamber and reactor platform.

Calculated properties at 250 kW:

	Neutron flux - no fission plate [cm ⁻² s ⁻¹]	Neutron flux - fission plate installed [cm ⁻² s ⁻¹]
Thermal (< 0.625 eV)	8.8×10^7	8.3×10^7
Epithermal (0.625 – 10 ⁵ eV)	2.6×10^7	2.9×10^7
Fast (> 10 ⁵ eV)	1.7×10^7	9.5×10^7
Total	1.3×10^8	2.1×10^8



