

New

Patent pending

Nuclear medicine



FDG syringe shield

Type PSW
Type PSWG



Principle

This tungsten syringe shield, with sliding shielded cover, provides improved protection when handling high energy radiation emitters such as I131 (360KeV) or F18 (511 KeV), reducing radiation dose to both hands and body.

The combination of a 6 mm thick tungsten body and 9 mm tungsten shield on the piston side provides a high degree of all round attenuation, whilst the 1mm thick plastic lining stops beta radiation and errant bremsstrahlung. A tungsten cone at the front minimises radiation leakage.

Two quick lock systems hold the syringe and plunger securely inside the shield whilst a milled button can lock the syringe piston in position.

An optional high density lead glass window, 8 mm thick, allows easy reading of syringe contents.

Technical description

Reference	Syringe (cc)	Length of the body (mm)	Ø syringe body (mm)	Weight (g)	Viewing window in lead glass	W thickness (mm)	Reduction %	
							360 Kev	511 Kev
PSW5	5	65	15	950	non	6	96	93
PSW10	10	83	20	1 465	non	8	98	95
PSWG5	5	65	15	915	oui	6	96	93
PSWG10	10	83	20	1 425	oui	8	98	95

