



VEENSTRA

INSTRUMENTS

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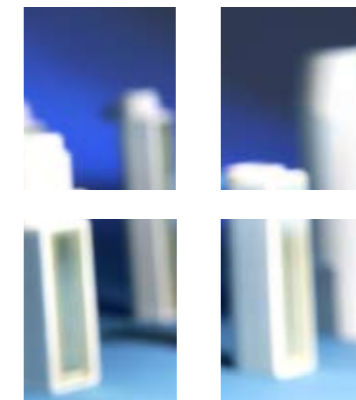
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ISO 9001: 2000 certified



Personal protection

• The right balance



• **Veenstra Instruments**

SYRINGE SHIELDING

Lead - Model LH

White coated lead shielding with 2 - 3 mm of lead and a large lead glass window. The lead glass is completely encapsulated by lead to reduce radiation leakage. The syringe is fixed with a screw. Available for 1, 2, 3, 5, 10 and 20 ml.



Lead glass - Model LGH

Syringe shields made of Hi-D lead glass with 360-degree visibility and a lead equivalent shielding of 1.5 mm. Available for 1, 2, 2.5, 3, 5 and 10 ml. Optional: 3 mm removable tungsten flange to shield the hand.



Perspex - Model PH

These syringe shields for beta radiation are custom made to fit the syringe. Minimum wall thickness of 8 mm Perspex. The syringe is fixed with two screws. Available for 1, 2, 5 and 10 ml.



SYRINGE CARRIER

Model LK-103

Stainless steel with lock and 3 mm lead shielding. Inside dimensions (l x w x h) 228 x 63 x 45 mm. Weight: 3.5 kg



Models LK-202, LK-205 and LK-210

A special lead shielded carrier for the transportation of syringes, filled with PET isotopes. The syringe carrier is made of stainless steel and has a lead shielding of 10 mm. The lid has a lead shielding of 5 mm. Inside dimensions (l x w x h) LK-202 150 x 40 x 40 mm LK-205 200 x 45 x 45 mm LK-210 250 x 45 x 41 mm

Tungsten - Model WH

Compact syringe shield with a lead glass window and clamp lock. The lead glass is completely encapsulated in moulded tungsten material for an improved mechanical and radiation protection. The shields offer a shielding of 2.5 mm tungsten. Available for 2 + 3 and 5 ml

Tungsten - Model WHP

Compact syringe shield with a lead glass window and clamp lock for 511 keV applications. The lead glass is completely encapsulated in moulded tungsten material for an improved mechanical and radiation protection. The shields offer a shielding of 7 mm tungsten. Available for 2 + 3 and 5 ml



Tungsten, Uni-lock - Model BH

Compact syringe shield with lead glass window and Uni-lock clamping mechanism. An aluminium frame encapsulates the lead glass for improved mechanical protection. The interior of the shield is coated white for clear visibility. The shields offer a shielding of 2 mm tungsten. Available for 1, 2, 3, 5 and 10 ml

PROTECTIVE BARRIER

Model LS

L shaped lead barrier with 6, 10, 20 or 30 mm lead shielding and equivalent lead glass window. Base: ± 400 x 400 mm. Height: ± 500 mm. Window: ± 400 x 280 mm. Optional: 10 mm lead enclosure for the LS-10



LEAD BRICK ENCLOSURES

Constructed of interlocking euronorm lead bricks, eliminating radiation leakage. The enclosure is fitted with a stainless steel tray for easy decontamination. Enclosures offer a lead shielding of 50 mm to all sizes and 10 mm in the bottom.

Closed

Model GLK-101

Dimensions (l x w x h) Inside: 400 x 300 x 300 mm Outside: 500 x 400 x 315 mm

Open

Model OLK-101

Dimensions (l x w x h) Inside: 400 x 300 x 300 mm Outside: 500 x 350 x 315 mm (U shaped) Optional: bottom can be shielded with 30 mm of lead.



Slide on lead-glass window

Fits on any 50 mm leadbrick wall. Window dimensions (w x h) 240 x 200 mm LKV-10 with 10 mm lead eq. LKV-20 with 20 mm lead eq. LKV-30 with 30 mm lead eq.



VIAL CONTAINERS

Stainless steel - Model VC

These vial containers are made of stainless steel with a 4 mm lead shielding. The VC comes standard with one adapter for your vial. The shielded plug is optional.

- Model VC-0 no lead-glass
- Model VC-1 one lead-glass
- Model VC-2 two lead-glasses



Lead glass - Model PFE-3

Suitable for vials from 10 to 30 ml. Shielding: 3 mm lead eq. Weight: 1.3 kg. Outside dimensions: Ø 51 mm

Lead glass - Model PME-6

Suitable for vials from 10 to 30 ml. Shielding: 6 mm lead eq. Weight: 2.4 kg. Outside dimensions: Ø 61 mm

Perspex - Model PVC

Vial containers specially for beta radiation. With a wall thickness of 10 mm Perspex. Standard for 5 ml vials, other sizes available.



PET - Model VPP-101

This vial container is designed for the use with 511 keV emitters. The aluminum housing is fitted with two bayonet-type (shielded) lids. The vial container is positioned in a table stand in which the shielding can rotate 180° into four positions; septum facing upward to septum facing downward. The vial container can be lifted from the table stand using a special handle. The container is shielded with 45 mm of lead to all directions.



MOBILE BED SHIELDS

Model VLS - Mobile acrylic / lead bed shield (2 mm lead shielding)

Model	Overall (wxh) mm	Window (wxh) mm	Lead(wxh) mm	Weight kg
VLS-201	1260 x 1600	1200 x 750	1200 x 720	100
VLS-202	660 x 2000	600 x 750	600 x 1120	80
VLS-203	810 x 2000	750 x 1200	750 x 670	50
VLS-204	810 x 2000	750 x 600	750 x 1270	90
VLS-100	1060 x 1130	810 x 2000	1000 x 1000	70

