

A large, complex piece of scientific equipment, likely a UV source, with various metal components, pipes, and a large cylindrical chamber. A smaller, detailed view of a component is shown in the foreground on the right.

# UV Source UVS40 A2

## **Long lifetime & high intensity UV source for UPS**

high intensity  
cold cathode capillary discharge  
operation with range of discharge gases  
water cooled  
electronically stabilised discharge current

# Henniker Scientific

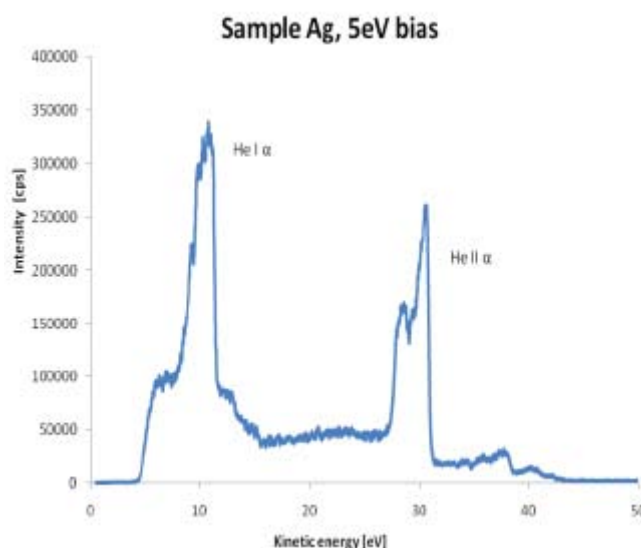
## UVS40 A2 UV Source

### UVS40 A2 Source

Working Distance: 27 to 50mm  
Beam Divergence:  $<1^\circ$   
Photon Flux:  $>8E15$  photons/sr r  
Discharge Current: 300mA  
Base Flange: DN-40-CF  
Insertion Depth: 220mm (standard)  
Bakeout Temperature:  $180^\circ\text{C}$

Non-magnetic in-vacuum materials  
Operation with He, Ne, Kr, Ar, Xe, H<sub>2</sub>  
Windowless, direct sight connection  
Integral port aligner  
( $\pm 4^\circ$  on sample surface)  
Capillary I.D. 1.5mm (standard)  
Capillary O.D. 8.0mm  
In-vacuum length 10-350mm

2-stage differential pumping & continuous flow operation ensures very long intervals between capillary services.



### Source Power Supply

Ignition: 10kV peak  
Discharge Voltage: 200-1000V  
Output Power: 250W max.  
Large LCD front panel with store & recall functions  
Intuitive software with RS232/422/485 comms.  
19 inch rack mounted



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