



**Genvolt**  
High Voltage Power Supplies



# Aquila



## Product Catalogue

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## Aquila



### Summary

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The Aquila is a compact high voltage module offering up to 50kV of output voltage. The supply is designed to operate from a DC power source and is controlled through analogue signals via remote control.

The Aquila was originally designed as a direct industry alternative for use in polymer separation processes, however, this high voltage, low current module is also ideal for a variety of applications outside this process.

The compact size, lightweight and affordability of the Aquila make it a popular addition to our range of high voltage modules, which also offers a variety of control options.

Applications include: Polymer separation, mass spectrometers, nuclear instrumentation, material testing, ion pumps, CRT and image intensifier.

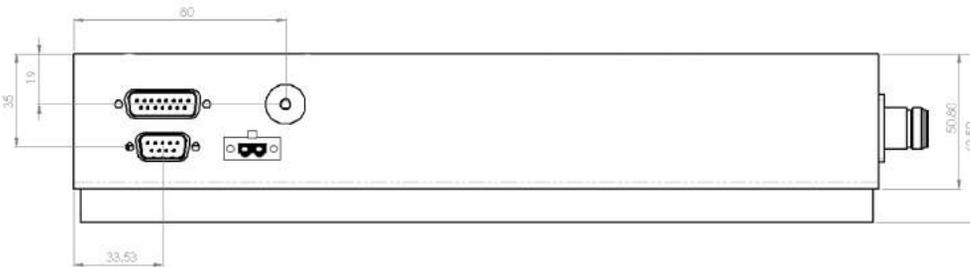
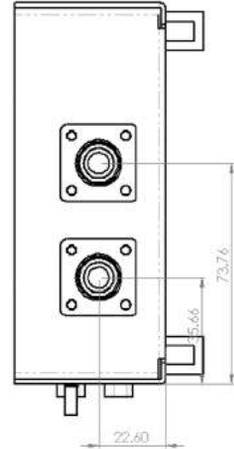
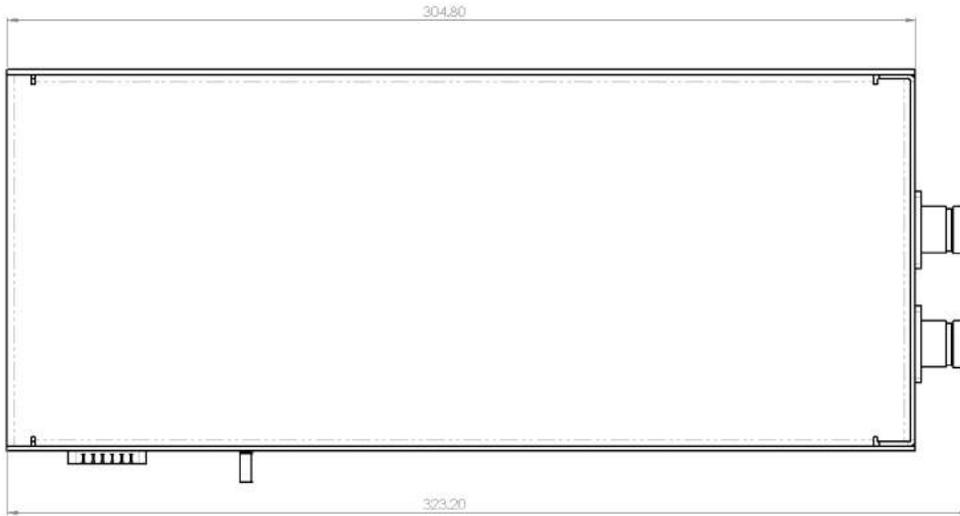


## Technical Specification

Input Specification	
Input voltage range	20VDC - 28VDC (24VDC)
Input Current	2.2A Maximum
Output specification	
Power	40W
Output voltage range	Near 0kV - 50kV
Available voltages	10kV, 20kV, 30kV, 40kV, 50kV
Output polarity	Positive or Negative
Output current	800 $\mu$ A (0.8mA)
Voltage Load Regulation	<0.5%
Voltage Line regulation	<0.5%
Voltage ripple	<0.5%
Voltage stability	<0.01% (peak to peak) of maximum output voltage
Controls	
Control interface	3 control options available for more information please contact the factory.
Environmental	
Operating Temperature	0°C to 40°C
Storage Temperature	0°C to 60°C
Relative humidity	Operation - 30% to 80%. Storage <95%
Mechanical	
Weight	2.65kg
Dimensions	H - 65mm, W - 127mm, L - 323mm (inc. rear connections)



## Dimensions



Weight – 2.65kg



## Safety

- This power supply generates high voltages which are dangerous and can lead to serious injury.
- Always ensure the power supply is operated by a qualified technician
- Ensure that the power supply is suitably grounded prior to operation
- Do not touch connections unless the equipment is off and that the capacitance of the both the power supply and the load are discharged.
- Service and maintenance must always be carried out by a fully qualified engineer.



## Global Presence



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### Factories:

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