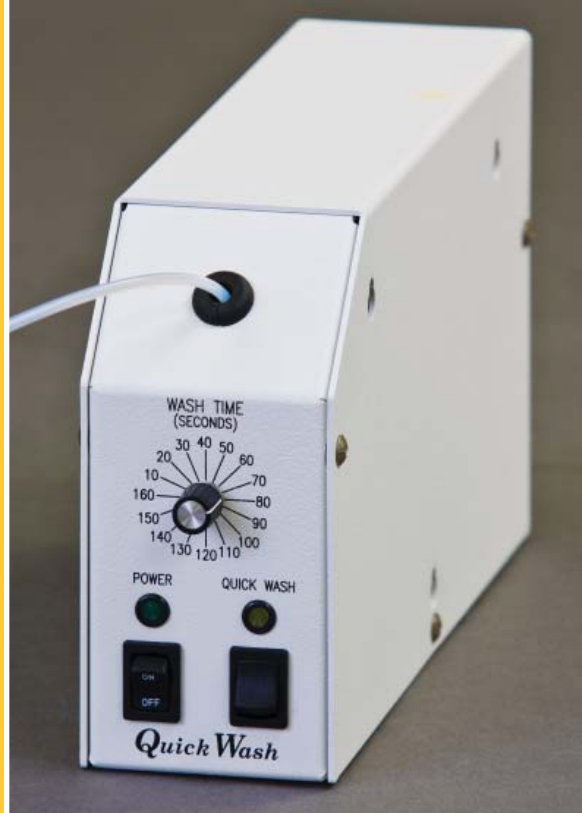


QUICKWASH ACCESSORY

Fast Washout Accessory for the Aridus II™

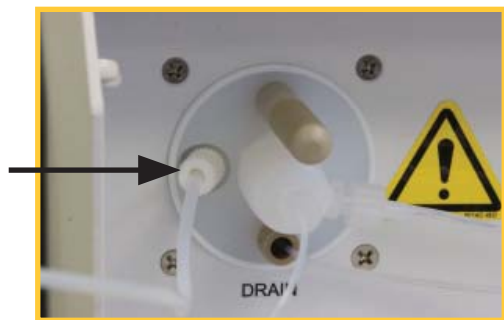
The CETAC QuickWash Accessory for the Aridus II™ rapidly washes the inner wall of the PFA spray chamber, providing greatly reduced washout times for higher concentration analytes. The QuickWash can be operated in a manual or an automated mode, the latter in conjunction with the ASX-112FR Autosampler.



The CETAC Aridus II™ Desolvating Nebulizer System is a popular accessory for signal enhancement with ICP-MS. The introduction of higher (> 100 mg/L) analyte concentrations is common with multicollector ICP-MS, a specialized instrument used for isotope ratio measurements.

While the Aridus II™ can greatly improve ICP-MS signal, the prolonged introduction of higher concentration samples can cause analyte and matrix buildup on the inner wall of the heated PFA spray chamber. This buildup can cause signal spikes and longer sample washout.

The CETAC QuickWash Accessory is used during the rinse cycle of the Aridus II™ to rapidly wash the inside of the spray chamber, greatly reducing washout times. The QuickWash controls a second pneumatic nebulizer that is positioned in the side-front of the spray chamber and generates a tangential aerosol to efficiently rinse the chamber.



QuickWash Gas-Liquid Line to Spray Chamber

The QuickWash uses a pumped rinse liquid flow (1–2 mL/min using the ICP-MS peristaltic pump) and a high argon gas flow (2 L/min, teed from the Aridus II™ sweep gas supply) for the rinse aerosol generation. The tilted position of the spray chamber prevents liquid from reaching the Aridus II™ membrane desolvator and the on-board peristaltic pump will rapidly remove any liquid in the chamber. Wash times are preset in increments of 10 seconds up to 160 seconds, with a typical time range of 30 to 60 seconds. The QuickWash can be used manually or can be set to start automatically when used with the CETAC ASX-112FR Autosampler. The QuickWash control box can be conveniently mounted on the left or right side of the Aridus II™, depending on the host ICP-MS configuration.

Technical Specifications

Power Requirements: 100 –240 V, 47–63 Hz, 3.3A

Voltage: 24 VDC Power Supply

Argon Gas Flow: 2 L/min (factory setting)

Dimensions:

Height: 14.3 cm (5.6")

Width: 6.7 cm (2.6")

Depth: 27.6 cm (10.9")

Weight: 1.07 kg (2.35 lbs)

Warranty: 12 month limited