



# AP 210 Automated Acid-adding System



Concentrated acid is a common solution used in various inorganic element analysis and conventional physicochemical analysis. The work of manual acid adding is repetitive and time-consuming, long-term contact and exposure to analysts and lab environment could cause damage and pollution.

RayKol AP210 Automated Acid-adding System utilizes double peristaltic pumps and different calibration modes to ensure accuracy and precision in dispensing; its fully anti-corrosive unit could help with the safety of lab environment, be an effective solution for conventional acid adding.

**Quick  
dispensing**

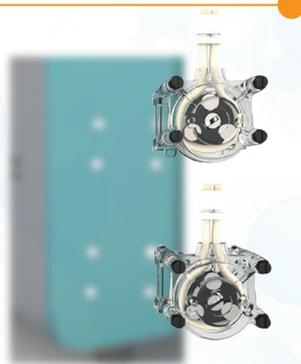
**Anti-  
corrosive**

**Easy to use**

**Environment  
friendly**

## Functionality

- High-precision peristaltic pump, to process continuously.
- Double-pump design, max. flow of single pump could be 4mL/s; can select synchronous liquid addition to improve flow rate.
- Two calibration modes, to ensure precision and accuracy.
- Eight reagent channels, can switch any reagent as user defined.
- PFA reagent pipeline, strong corrosion-resistance.



## Flexibility



- Compatible with various size of digestion vessels.
- Large sample capacity, max. 48 samples.
- Sensor detects to identify type of sample rack for well maintenance.
- Able to adjust Z-axis according to the height of digestion vessels.

## Safety

- Remote control via PC/PAD, WIFI connected, maintain safe distance from acid.
- Full anti-corrosive coating to entire unit with anti-corrosive 3-axis mechanical arm, for well preservation of the equipment.
- Standard anti-corrosion blower, to avoid residual acid fume.
- HEPA filter, to avoid sample contamination.



## Control software

- Zone A & B, able to accommodate with different sample racks for user's requirements.
- Graphical software interface, can select sample position, easy to use.
- Able to set and adjust any parameters for method modification.
- Automatically generate operation records.



## Application

Food, agricultural products, environment (soil, solid waste, water quality), cosmetics, textiles, medicines, geology, mining.

## Type of analysis

- Standards for Food Safety
- Determination of lead and cadmium in rice - Graphite furnace AAS
- Soil and sediment - Determination of copper, zinc, lead, nickel and chromium - Flame AAS
- Solid waste - Determination of nickel and copper - Flame AAS
- Water Quality - Determination of copper, zinc, lead and cadmium - AAS
- Standard methods of hygienic test for cosmetics - Lead
- Textiles - Determination of total content of lead and cadmium

## Related RayKol Product

- Auto prep 200 Automated Liquid Handling Station
- AP 210 Automated Acid-adding System
- AP 230 full-automatic liquid sample processing workstation (Inorganic)
- AP 300 Automated Liquid Handling Station (Organic)

Dedicated to be a leading supplier in smart laboratory



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