

# HERO

INNOVATIVE *COLOR* TECHNOLOGY

- A200/A250
- ARCHIMEDE •
- Automatic Colorant Dispenser



## A200/A250

### • ARCHIMEDE •

The Archimede incorporates HERO's new patented Progressive Cavity Pump (PCP) dispensing technology. This new, innovative, and revolutionary pump design allows HERO to offer the first truly low maintenance automatic colorant dispenser. In fact, we believe it offers the lowest cost of ownership available on the market today. The Archimede is so simple to repair that an entire dispense circuit can be replaced without tools or special training in less than 5 minutes. In addition, the Archimede will further reduce your yearly maintenance cost as it does not suffer calibration drift like other competing technologies.

Thanks to this technology's ability to reverse the flow of colorant through the pump, HERO has also solved the problem of colorants drying in the nozzles. This feature is referred to as draw back and at the end of each dispense the pump reverses rotation, sniffing - back the colorant inside the nozzles. This minimizes contact of colorant with air. The unit is also equipped with a humidifier cap which helps keep the nozzles moist.

Colorants are dispensed in a consecutive, continuous flow sequence thus reducing dispense time. For even faster performance, HERO also offers the A250, a simultaneous dispense (up to 4 colorants at once) version of the A200. Archimede also offers precision unmatched by its rivals. This unit will dispense down to 1/1000 of a fluid ounce (0.03 ml)! It also operates within a +/-1% error on average dispenses.

Yes, this unit is so precise it can be used to tint sample color testers!





## • ADVANTAGES

- Unbeatable precision and productivity (better than a gear pump system)
- Unmatched durability and low maintenance cost (Similar to a piston pump system)
- Simple to repair, a complete dispense circuit can be replaced in less than five minutes without the need for special tools or training
- Calibration drift free
- Simple to use
- Unbeatable quality/price ratio
- No remodeling required as this unit is designed to fit in the same footprint of your old manual dispenser. 34" (86.5 cm) Diameter

## • PROBLEMS SOLVED

- Low maintenance and service costs
- Capable of dispensing difficult products
- Colorant won't dry in the nozzles
- Much improved durability and pump life compared to gear drive units

## • ERGONOMICS & EASE OF USE

- Canisters are mounted on a rotating frame to facilitate ease of colorant re-filling
- Low refill height 37" (94 cm) ideal for staff of any height
- Top can be used as a desk to hold a computer and monitor (height is at a comfortable 45.5" (116 cm))
- Space saving compact design



## TECHNICAL FEATURES

- Dispense System** • A200 - Continuous consecutive dispense  
A250 - Simultaneous dispense
- Number of circuits** • Up to 16 or 24 - 24 circuit unit can accommodate 2 complete 12 colorant color systems
- Dispense technology** • Progressive Cavity Pump (PCP). This technology eliminates the need for valves while offering a level of precision unmatched by other volumetric dispensers
- Compatibility** • Water-based or Universal Colorants
- Canister content** • 2.2 quarts (2 liters)
- Max flow rate** • 6A200 - 6.8 oz/min (0.2 L/min)  
A250 - Can dispense up to 4 colorants simultaneously at up to 6.8 oz/min (0.2 L/min) per colorant. Total flow rate of up to 27.2 ounces (.8L) per minute!
- Average precision** • +/-1%
- Minimum dispense quantity** • 1/1000 fl. oz. (0.03 cc)
- Capping system** • Semi-automatic humidifier cap
- Can sensor** • Photocell can sensor
- Can handling** • Manually repositionable shelf
- Max dimensions** • 31.75" (81 cm) diameter x 45.5" (115 cm) height (up to 16 Canisters)  
34.5" (88 cm) diameter x 46.5" (118 cm) height (up to 24 Canisters)
- Shipping weight** • 325 lbs. (148 Kg) (up to 16 Canisters)  
452 lbs. (205 Kg) (up to 24 Canisters)
- Power supply** • 220 V. 50 Hz. 6 A. self adjusting power supply  
110 V. 60 Hz. 12 A. self adjusting power supply
- Options** • Fully automatic humidifier cap  
Laser cross hair bung hole locator

## SOFTWARE FEATURES

**TintWise\_LAB:** This is precision laboratory software specially designed for lab technicians and service teams to facilitate database development, preparation and formula book updating.

**TintWise\_POS:** All of our automatic dispensers come complete with HERO's latest version of TintWise™ dispense and machine utilities software. This state of the art Windows XP color formula software is specifically designed for point-of-sale custom color dispensing. It performs a large list of functions including: product look up, can-size specification, user security, label printing, color database management, and custom formula generation. The utilities area also offers simple to use machine calibration, colorant level visualization, and warning level settings for re-filling, agitation, service intervals, and purging. This software is also compatible with most common brands of spectrophotometer and color matching software so you can operate your dispenser seamlessly with these programs. A bar code reader can also be interfaced if required. In addition, the user interface can be customized with your Company logo.



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