



HERO

INNOVATIVE **COLOR** TECHNOLOGY

A200/A250

• ARCHIMEDE •

Automatic Colorant Dispensers



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 total 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, pulling the colorant back inside the nozzles. This minimizes contact of colorant with air. The unit is also equipped with a humidified nozzle capper which helps keep the nozzles moist.

The A200 dispenses colorants 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 offers remarkable precision with a $\pm 1\%$ error on average dispenses.

Yes, this unit is so precise it can be used to tint 8 oz 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
- Minimal calibration drift - HERO's low pressure pump design dramatically reduces calibration drift and pump wear. This results in longer part life expectancy, increased accuracy and no need for regular scheduled calibration service calls
- Unbeatable quality to price ratio
- No store remodeling required as this unit is designed to fit in the same footprint as your old manual dispenser. - 32" (81.25 cm) diameter

• BENEFITS

- Low maintenance and service costs
- Capable of dispensing difficult products
- No VOC colorant compatible., colorants won't dry in the nozzles
- Much improved durability and pump life compared to gear pump units

• ERGONOMICS & EASE OF USE

- Canisters are mounted on a rotating frame to facilitate ease of colorant re-filling
- Low refill height 36.5" (93 cm) ideal for all staff
- Top can be used as a desk to hold a computer and monitor. Height is at a comfortable 46.5" (118 cm)
- Simple to use 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 capacity	●	2.1 quarts (2.0 liters)
Max flow rate	●	A200 - 10 oz/min (0.3 L/min) A250 - Can dispense up to 4 colorants simultaneously at up to 10 oz/min (0.3 L/min) per colorant. Total flow rate of up to 40 ounces per minute! (1.2 L/min)
Average precision	●	+/-1%
Capping system	●	Automatic humidifier cap
Can location	●	Laser cross hair can or bung hole locator
Can sensor	●	Photocell can sensor
Can handling	●	Manually repositionable shelf. Handles cans from 1/2 pint to 5 gallons.
Max dimensions	●	Up to 16 Canisters - 46.5"H x 32" Diameter Up to 24 Canisters - 46.5"H x 34.5"W x 34.5" D
Shipping dimensions	●	Up to 16 Canisters - 67"H x 37"W x 37"D - 325 lbs. (148 Kg) Up to 24 Canisters - 65"H x 39"W x 41"D - 452 lbs. (205 Kg)
Power supply	●	110 Volt 60 Hz. 12 A. self adjusting power supply 220 Volt 50 Hz. 6 A. self adjusting power supply

Options & Accessories	●	Bar code reader Dell® computer package Label printer	Solvent based colorant upgrade On demand sample capability Dual channel dispense
-----------------------	---	--	--

● ● ● SOFTWARE FEATURES

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.

TintWise® LAB: This is precision laboratory software specially designed for lab technicians and service teams to facilitate database development, preparation and formula book updating. Lab software sold separately.

