

# HERO

INNOVATIVE *COLOR* TECHNOLOGY

A450 • EUREKA •  
Automatic Colorant Dispenser



## A450 • EUREKA •

The Eureka A450 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 A450 incorporates this PCP technology into its unique cartridge design pump which allows for quick, clean and simple replacement. In addition, the A450 will further reduce your yearly maintenance cost as it does not suffer calibration drift like other competing technologies.

HERO has also dealt with the problem of colorants drying in the nozzles, thanks to the A450's ability to reverse the flow of colorant through the pump. This unique feature is referred to as draw back, and occurs at the end of each dispense. The pump reverses rotation and draws back the colorant inside the nozzles. This minimizes contact of colorant with air, thereby reducing colorant drying. The unit is also equipped with an automatic humidified nozzle capper which also helps to keep the nozzles moist.

The Eureka A450 is an innovative automatic dispenser designed to meet the needs of a medium volume paint retailer. It can simultaneously dispense up to 4 colorants at once. That's approximately 40 ounces per minute! Furthermore, the A450 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 pump can be replaced in less than five minutes without the need for special tools or training
- Reduced 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 regularly scheduled calibration service calls.
- Simple to use, unbeatable quality/price ratio
- Simultaneous dispense of up to 4 colorants at once - That's up to 40 ounces per minute! Dispense speed is colorant dependent.
- New cartridge style pumps offer a quick and clean replacement
- Dual channel dispense - double up on popular colorants so that they dispense from 2 canisters simultaneously

## • 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

- Top is ideal height for use as a desk for computer, height is 45.25"(115cm)
- Sliding shelf for computer, keyboard, LCD screen and accessories
- Low refill height 37"(94 cm) ideal for staff of any height
- Space saving ergonomic design



## ● ● ● TECHNICAL FEATURES

Dispense System	● A450 - Simultaneous dispense
Number of circuits	● Up to 24
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	● 12 circuit - 8 x 3.6 quart (3.4L) + 4 x 5.7 quart (5.4L) 16 circuit - 12 x 3.6 quart (3.4L) + 4 x 5.7 quart (5.4L) 24 circuit - 18 x 3.6 quart (3.4L) + 6 x 5.7 quart (5.4L)
Max flow rate	● 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(1.2L)per minute! Dispense speed is colorant dependent.
Average precision	● +/-1%
Minimum dispense quantity	● 1/1000 fl. oz. (0.03 cc)
Capping system	● Automatic humidified dispense nozzle capper
Bung Hole locator	● Laser cross hair
Can handling	● Automatic can shelf
Max dimensions	● up to 16 canister - 49"(124.5 cm) height x 36.5"(93 cm) width x 32.5 (82.5cm) depth 24 canister - 50"(127 cm) height x 52"(132 cm) width x 32.5 (82.5cm) depth
Shipping dimension	● up 16 canister - 39"W x 35"D x 54"H - 569 lbs (258kg) 24 canister - 58"W x 38"D x 60"H - 780 lbs. (355 Kg)
Power supply	● 220 V. 50 Hz. 6 A. self adjusting power supply 110 V. 60 Hz. 12 A. self adjusting power supply
Options	● Dual channel dispense Bar code reader

## ● ● ● 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 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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