

# HP Spot Color Print Cartridges



The HP C6168A, C6169A, C6170A, and C6173A Spot Color print cartridges achieve low-cost, high-quality printing, and enhance "eye appeal."



## Features

HP designed the C6168A (red), C6169A (green), C6170A (blue), and C6173A (yellow) Spot Color print cartridges for industrial printing applications that require spot colors to enhance their operations.

HP's Spot Color ink and thermal inkjet technology make color printing quick, easy, and as affordable as monochrome printing because it relies on easily replaceable ink cartridges rather than ink drums and plates. These print cartridges are designed to print 600 dots per inch in applications where high-quality output on porous media is required.

Integrated Driver Head (IDH) technology coordinates individual nozzles through a multiplexing scheme that fires all 300 nozzles through 52 interconnect pads.

HP Spot Color print cartridges can be snapped in and out for easy replacement. These cartridges have a thermal sense resistor, which measures temperature, and enables thermal management and burnout protection for the print head.

## Benefits

HP's Spot Color print cartridges offer:

- Non-contact, drop-on-demand thermal inkjet technology that ensures quiet printing.
- Easy replacement, which ensures print quality and lowers maintenance costs.

- Faster drying time – less than one second on most plain paper – enables higher production rates and faster printing on porous media.
- A cost-effective option for personalizing and enhancing mailings and direct marketing messages with eye-catching color.

## Color Performance

These cartridges produce the equivalent of the following PMS color values when printed at 600 x 300 dpi on plain white multipurpose paper and viewed under office light conditions:

|        |                  |
|--------|------------------|
| Red    | 179 U            |
| Green  | 355 U            |
| Blue   | 3005 U           |
| Yellow | Pantone yellow U |

These PMS values are for reference only. Results may vary depending on paper hue and light source.

## Why choose HP?

HP is the worldwide leader in imaging and printing technologies. We bring our innovative, reliable, environmentally-friendly, and easy-to-use solutions to a variety of industrial markets. As pioneers of thermal inkjet printing, HP knows the technology inside and out.



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## Frequently asked questions

Who are the ideal users of Spot Color print cartridges?

Spot Color print cartridges are designed for companies in a variety of industrial markets that require spot colors to enhance their operations.

What are the key advantages of these print cartridges?

- Changing from black to color can be almost instantaneous.
- Achieves low-cost personalization of mailings and direct marketing messages using color text and graphics.
- Drying time is fast – less than one second on most plain paper.
- Enables the use of color to attract attention to key words and ideas, accelerate recall, and improve comprehension.

How can Spot Color print cartridges increase response rates?

Research shows that consumers respond to print quality and color. For example, in the direct marketing industry, color sells products more effectively than monochrome. Color also improves consumer comprehension and recall. For example, Spot Color cartridges can be used to:

- Add targeted information, company logos, or message s right on the substrate in one simple operation.
- Attract attention to key words or ideas.
- Increase the likelihood that the recipient will open and read the mail piece.

What are the advantages of HP Thermal Inkjet (TIJ) Technology?

- Cost-effective. Requires no warm-up cycle and no downtime. When it's time to replace a print cartridge, replace only the one that's needed.
- Easy to use. No special training is required to operate and maintain thermal inkjet printers. The print cartridge design allows it to be snapped in and out for easy replacement.
- Fast. Hundreds of tiny nozzles firing at a high frequency allow high-quality printing at high speeds.
- Reliable. TIJ is less sensitive to air bubbles in the firing chamber than other printing technologies, avoiding print quality problems and delays caused by trapped air.
- Flexible. Supports a wide variety of media.
- High quality. TIJ places smaller drops more accurately, producing consistently superb image and text quality.
- Environmentally safe. With thermal inkjet, there is no need for service technicians qualified to handle volatile solvents, and no noxious fumes.
- Lower cost of ownership. A thermal inkjet printer can cost tens to hundreds of thousands of dollars less than other printing equipment, reducing the market entry cost.

## Technical specifications

|  |   |
|--|---|
| P/N  | C6168A (red), C6169A (green), C6170A (blue), C6173A (yellow)                          |
| Ink type   | Red, green, blue, and yellow dye-based aqueous inks                                   |
| Resolution   | 600 dpi   |
| Nozzle count   | 300   |
| Print swath  | .5 in   |
| Maximum firing frequency                                 |   |
| Avg. drop volume   | 26 pl   |
| Avg. delivered ink (ccs)                                 | 42 ccs  |
| Number of electrical interconnect pads                   | 52  |
| Operating conditions                                     | 10 to 40° C, 10 to 80% RH   |
| Shipping/storage conditions (in original packaging only) | 10 to 30° C, 5 to 80% RH<br>Altitude: 0–5000 meters<br>Orientation: nozzle up or side |

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