

HP Spot Colour Print Cartridges



Features

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

HP's Spot Colour ink and thermal inkjet technology make colour 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 Colour 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 Colour 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.

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

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- 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 colour.

Colour Performance

These cartridges produce the equivalent of the following PMS colour 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 messages 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	12 kHz
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 Altitude: 0–5000 meters Orientation: nozzle up or side

Contact information

To discuss inkjet technology OEM opportunities with HP:

- Go to www.hp.com/oeminkjet and send us an email message.
- Call 858-655-3524 and leave a voicemail message.
- Mail your inquiry to: Hewlett-Packard Company, Specialty Printing Systems, Mailstop 66-654, 16399 West Bernardo Drive, San Diego, CA 92127, USA.