

# HP Bulk Solvent Ink System

Reliable coding and marking with HP technology



**The HP Bulk Solvent Ink System combines all the advantages of HP Thermal Inkjet (TIJ) 2.5 printhead technology with a robust and flexible bulk ink delivery system. The result is a complete system that meets the needs of high-volume printing applications on porous and non-porous substrates where superior print quality, low cost per code, and minimal user intervention are required.**

## Build your custom bulk solutions on proven technology

### Maintenance-free, high uptime

- HP's reliable ink delivery system featuring the new solvent print cartridge with a built-in ink level sensor and a micro USB connector enables a maintenance-free, high-uptime production environment while delivering superior print quality.
- Large 400 ml ink cartridges enable longer print runs and fewer operator interventions.
- HP Smart Card ensures system health, performance, and safety with built-in intelligence.

### Improved total cost of ownership (TCO)

- Modular and low-investment solvent bulk TIJ system with large ink and robust print cartridges creates a very strong alternative to competing technologies, helping you expand into new markets by reducing total cost of ownership.

### Design flexibility

- Flexibility to design pressurized or gravity systems with one ink cartridge feeding a single print cartridge, or an array of print cartridges in both vertical and horizontal positions.
- The new air-pressurized system allows more freedom in positioning the ink cartridge.

### Shorter time to market

- New and enhanced development kit, suite of proven components, and detailed reference documentation reduces product development time.
- Application engineer support is available when a trusted advisor is needed.

### Easy to use

- New bulk system takes simple-to-use and clean HP Thermal Inkjet 2.5 technology to the next level with easy mounting of ink cartridges, hot swap capability, and simple replacement of print cartridges with the new removable print cartridge connector.



## Ordering information

| Product number                  | Product description                                     |
|---------------------------------|---|
| <b>Components</b>               |   |
| CQ803A                          | HP OEM Smart Card Print Cartridge Stall                 |
| CQ802A                          | HP OEM Pen Driver Board 2.5                             |
| FOM04A                          | HP OEM Bulk Ink Cartridge 50-meter Tube                 |
| FOL72A                          | HP OEM Valve for Bulk Print Cartridge                   |
| Q2308-60015                     | HP OEM Ink Cartridge Stall Assembly                     |
| FOM03A                          | HP OEM Bulk Print Cartridge 25-meter Tube               |
| FOL93A                          | HP OEM Bulk Print Cartridge Connector Protector         |
| CQ801B                          | HP OEM Host Printer Smart Card Component                |
| <b>Print and ink cartridges</b> |   |
| FOL89B                          | HP OEM 45sci Black 2580 Smart Card Bulk Print Cartridge |
| FOL91A                          | HP OEM Black 2580 Smart Card 400ml Ink Cartridge        |

<sup>1</sup>Specifications are determined using HP internal testing procedures and HP print devices and media in various operating environments. Actual performance may vary depending upon the print device, media and environmental conditions.

## Technical specifications<sup>1</sup>

|                                    | Print cartridge                  | Ink cartridge                    |
|------------------------------------|----------------------------------|----------------------------------|
| <b>Resolution</b>                  | 600 dpi                          | N/A                              |
| <b>Nozzle count</b>                | 300                              | N/A                              |
| <b>Maximum firing frequency</b>    | 18 kHz                           | N/A                              |
| <b>Ink fill volume</b>             | N/A                              | 400 ml                           |
| <b>Print cartridge life</b>        | 1200 ml                          | N/A                              |
| <b>Operating conditions</b>        | 15-35°C (59-95°F), 20 to 80% RH  | 15-35°C (59-95°F), 20 to 80% RH  |
| <b>Shipping/storage conditions</b> | -10-25°C (14-77°F), 0 to 100% RH | -10-25°C (14-77°F), 0 to 100% RH |
| <b>Altitude</b>                    | Up to 4267.2 m                   | Up to 4267.2 m                   |

## HP Black 2580 Solvent Bulk Ink

HP black 2580 solvent ink delivers high-quality alphanumeric and barcode readable output, and comes with long decap and fast dry times to achieve high-productivity intermittent printing for industrial coding and other applications.

## Proven components to meet your design objectives

### Modular print cartridge stall

- Supports a 0.5-inch swath width and up to 600 dpi resolution
- Suitable for multiple printhead array configurations
- Print cartridges can be snapped in and out of the stall for easy replacement

### Modular ink cartridge stall assembly

- Provides easy insertion of the ink cartridge, and proper electrical, mechanical, and fluidic connections
- Includes connector assembly, ink seal assembly, and ink stall

### Pen Driver Board

- Ensures proper operation, firing, and protection of the print cartridge
- Onboard firing voltage regulation provides consistent firing energy, independent of print density
- Firing energy is programmable to provide optimal print cartridge performance and lifespan

### Tubing

- HP's solvent ink-capable tubing helps establish secure connections between ink and print cartridges

### Print cartridge connector protector and valve

- New connector protector eliminates the need to prime the tube for each print cartridge replacement
- Valve featuring 360° rotation assures a flexible and secure connection to the print cartridge

### HP Smart Card

- Best-in-class, proven HP authentication helps you design a secure, high-performance system

### HP Development Kit

- Includes components needed to quickly demonstrate solution options and explore design choices

### Learn more at

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