

HEWLETT-PACKARD IMPROVES BULK INK DELIVERY SYSTEM WITH CPC COUPLINGS

CPC's NS4 Series Non-Spill Coupling Proves to be a Reliable and Easy-To-Use Solution for HP's Versatile Black Bulk Ink System

“CPC connections are an integral part of our Bulk Ink Delivery System. They enable our OEM customers to design a very modular, flexible, clean, and reliable printing solution that is tailored to end user needs.”

— Daniel L. Briley,
Engineering Manager, HP
Specialty Printing Systems

OPPORTUNITY

Hewlett-Packard (HP) is a world leader in print systems and a pioneer in inkjet technology. It brings innovation to package printing through its Specialty Printing Systems division (SPS), which focuses on helping companies integrate HP's thermal inkjet (TIJ) technology and products into their printing systems.

When SPS was developing its Versatile Black Bulk Ink System, a robust and flexible bulk ink delivery system for high-volume print runs used in industrial packaging applications, its engineering team investigated a number of off-the shelf fluid connection options. In search of a reliable, easy-to-use, low-cost connection, the team turned to CPC, a leading manufacturer of quick disconnect couplings.



SOLUTION

The HP engineering team selected CPC's NS4 Series Non-Spill Coupling, which features a non-spill shutoff valve ideal for use in ink handling applications. The HP Versatile Black Bulk Ink System consists of the Modular Ink Supply Station that holds the ink cartridges, the enclosed regulator assembly and the printhead stalls.

With the NS4 Series Non-Spill Couplings, the tubing between the enclosed regulator assembly and the printheads can be easily connected and disconnected without the worry of messy ink spills.

RESULTS

In addition to minimizing spills, the valve contained in CPC's NS4 automatically reduces air inclusion or trapped air that may lead to print quality problems and expensive system delays and maintenance.

The intuitive design of the NS4 makes it so simple that no tools are required to connect or disconnect the tubing and special training is not necessary for regular operation of the thermal inkjet system.

For more than 30 years, CPC has been providing standard and custom solutions to industrial, medical, chemical handling, packaging and food dispensing markets. Working with innovative partners like SPS, CPC continues to be a worldwide leader in quick disconnect couplings that lend flexibility, control, safety, and cost savings to a broad range of applications.

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