

WHERE CPC CONNECTORS FIT

PRINTHEADS

For high quality and performance, ink flowing through the printhead must be free of contaminants. CPC's compact DripFree quick disconnect couplings deliver clean, no-drip, ink connections to protect printhead performance and maintain ink purity.



PUMPS

CPC's quick disconnects are available in chemical-resistant materials, supporting reliable, contamination-free performance.



FILTERS / DEGASSERS

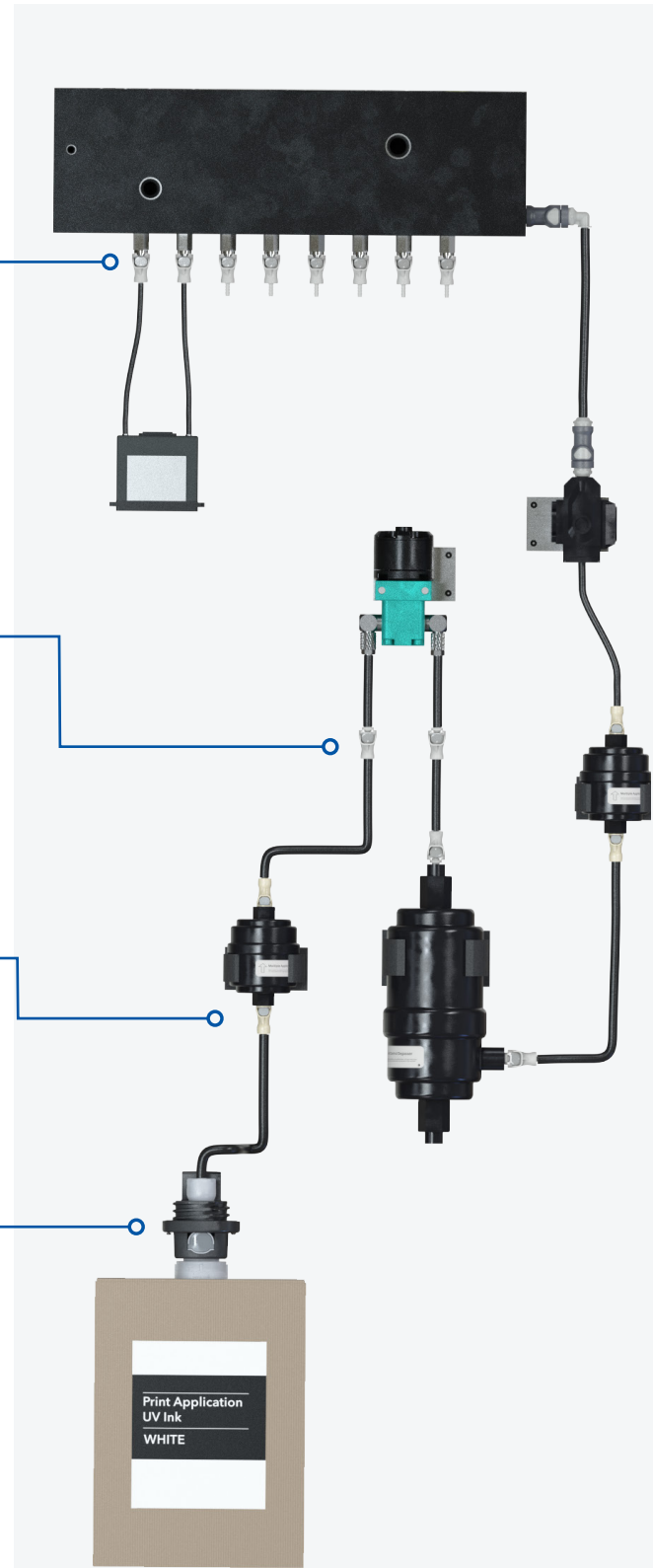
Ink conditioning through filters and degassers helps remove contaminants and bubbles that can affect print quality and equipment uptime.



Quick disconnect couplings make serviceability of these important components fast and efficient.

BULK INK DELIVERY

CPC couplings provide operators a clean and easy method to swap out inks without drips, spills or messes.



WE INSPIRE CONFIDENCE AT EVERY POINT OF CONNECTION

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INNOVATION BORN FROM EXPERIENCE

CPC is a leading provider of quick disconnect couplings across a wide range of applications including industrial, medical, biopharma and liquid cooling.

Our broad and deep fluid management experience allows us to innovate in meaningful ways, anticipate future challenges, and bring you the best purpose-built solutions.

WANT TO COLLABORATE?

Visit us online to access our interactive web tools

- ASK AN ENGINEER
- PRODUCT SPECIFIER
- WHITE PAPERS
- CAD FILES

Visit us at cpcworldwide.com/print to get started



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WARNING: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.



QUICK DISCONNECT COUPLINGS FOR INK HANDLING

CLEANER. FASTER. MORE EFFICIENT.

Global print and ink industry leaders rely on CPC connector technologies to help deliver quick, clean material fills and fast, efficient equipment serviceability.

Enhance your printing performance with CPC's innovative coupling solutions.

MAXIMIZE UPTIME. MINIMIZE MESS.

YOUR PARTNER IN EFFICIENT PRINTING

Why choose CPC? Because we are connection technology experts. For more than 40 years, we have focused exclusively on connectors for use in a wide range of applications. We design, build and refine some of the world's highest-performing couplings to meet the most demanding specifications.

CPC solutions streamline fluid management from ink containers all the way through commercial printing equipment and processes.

IN PRINT AND INK APPLICATIONS, CPC CONNECTORS:

- Reduce downtime with tool-free maintenance on serviceable components
- Minimize spillage at disconnection during maintenance, reducing waste and mess
- Reduce air inclusion during connection
- Minimize operator exposure during ink loading
- Are chemically resistant to a range of inks, providing durability and longevity
- Allow secure, single-handed operation with an ergonomic, easy-to-use thumb latch

A FULL RANGE OF CONNECTORS FOR PRINT AND INK APPLICATIONS

DF SERIES (DRIPFREE)

The DripFree Series quick disconnects with 1/8" flow offer a lubrication-free flow path while providing drip free connections and disconnections.

NEW



DF2



UDC & iUDC SERIES (UNIVERSAL DISPENSING COUPLER)

UDC & iUDC couplings provide a universal connection to a 38mm fitment neck, allowing you to make instant connections to bulk packaging systems.

RFID-enabled IdentiQuik® couplings transfer both ink and critical information like device type, connected media, line connection status, and fluid and product data. The RFID technology is seamlessly integrated into the connection point, automatically reading data as ink containers are loaded into machines.



UDC





iUDC (in-line)





iUDC (mount)



NS SERIES (NON-SPILL)

NS Series couplings were built on the company's proven platform of non-spill valves designed to provide fast and leak-free fluid line connections.



NS1





NS4





NS212



PMC & PLC® SERIES

PMC & PLC® Series cover a wide variety of applications through an extensive offering of chemically resistant materials and termination configurations.



PMC





PLC®

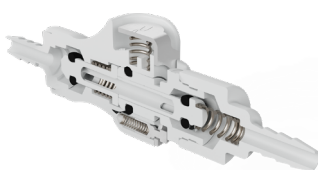
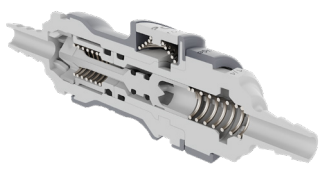
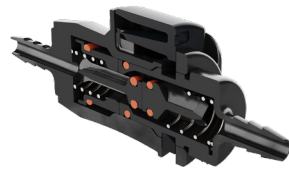


 RFID option available

 Available in polypropylene

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DRIPFREE
DF2D170212S, DF2D220212S

NON-SPILL
NS4D17004, NS4D22004

PMC
PMCD1702, PMCD2202

Flowpath Size	1/8"	1/4"	1/8"
Cv	0.32	0.73	0.3
Valve Style	DripFree	Non-Spill	Traditional Poppet
Spillage at Disconnect	<0.10cc	<0.10cc	~0.50
O-ring Lubrication	• Non-lubed standard	• Krytox GPL 205 Standard • Non-lubed not available	• Dow Xiameter PMX-200 Standard • Non-lubed available as a Custom
Base Material	Glass-filled Polypropylene	Glass-filled Polypropylene	Acetal
Color	Black	Grey	White
O-ring Material	• Silicone Standard • Other materials available	• EPDM Standard • Other materials available	• EPDM Standard • Other materials available
Spring Material	316 SST	316 SST	316 SST
Thumb Latch Material	Acetal	Acetal	301 SST
Thumb Latch Performance	Ready to connect	Ready to connect	Latch must be in correct position
Spring in Flow Path	Yes	Yes	Yes
OAL	1.65" (41.91 mm)	2.34" (59.44 mm)	1.65" (41.91 mm)
Largest Diameter	0.90" (22.86 mm)	1.05" (26.67 mm)	0.80" (20.32 mm)
Operating Temp Range	0 to 160° F (-17 to 71° C)	32 to 160°F (0 to 71° C)	-40 to 180° F (-40 to 82° C)
Operating Pressure	Vacuum – 120PSI (Vacuum – 8.27 bar)	Vacuum – 120PSI (Vacuum – 8.27 bar)	Vacuum – 120PSI (Vacuum – 8.27 bar)