

NS4 SERIES

Non-Spill, High Flow, Polypropylene Quick Disconnect Couplings

U.S. Patent 4703957, others pending.

CPC®'s patent-pending NS4 Series quick disconnect couplings feature non-spill valves in a compact size, at a great price. They're ideal when even a few drops pose problems regarding safety, media cost or environmental regulations. These innovative couplings are lightweight, chemically-resistant and easy to use. They feature a thumb latch that provides one-handed operation and an audible "click" to let you know your connection is secure. The NS4 Series non-spill design virtually eliminates spills, minimizes downtime and enhances operator safety.

CPC also offers the award-winning ChemQuik™ CQN series of non-spill, high purity couplings, and has over 1000 off-the-shelf products in many designs and materials, with additional custom solutions, to meet your exact needs



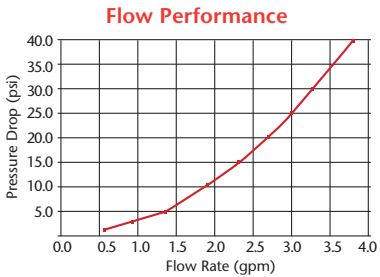
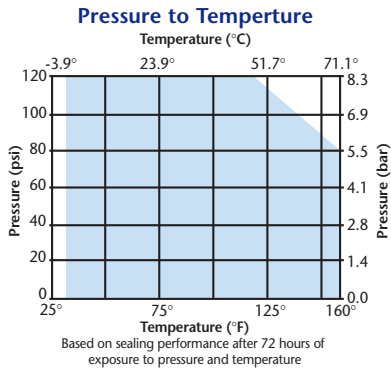
Applications:

- Ink handling
- Chemical delivery systems
- Electronic cooling
- Instrumentation
- Medical devices

FEATURES	BENEFITS
Non-spill shutoff valves	If even a few drops are a problem due to safety, spills, media cost or environmental regulations.
Color-coding	Instant visual differentiation of media lines.
Easy-to-use thumb latch	Allows you to make repeated, leak-free disconnects quickly and easily. The audible "click" indicates a secure connection and seal.
High-flow, small coupling size	Your equipment can utilize a smaller footprint and maintain the flow rate you need.
Plastic components	Allows you to have an economical, lightweight coupling with high-flow molded valves and superior ergonomics.
Chemical resistance	Glass-filled polypropylene with 316 stainless springs and EPDM or FKM o-ring seals resist a wide variety of media.
Appealing high-tech aesthetics	Adds to the value and acceptance of your final product.

NS4 Series Specifications

- Operating Pressure:** Vacuum to 120 psi, 8.3 bar (*see graph*)
Operating Temperature: 32° to 160°F / 0° to 71°C (*see graph*)
Flow Capacity: Cv~0.6 (*see graph*)
Spillage: < 0.10 cc/disconnect
Materials:
Main Components: Glass-filled polypropylene
O-ring Seals: EPDM, FKM optional
Optional Panel Mount Gasket: EPDM or FKM
Springs: 316 Stainless Steel
Lubricants: Krytox® PFPE (*inert*)
Panel Mount Nut: Glass-filled polypropylene
Mounting & Terminations: In-line, pipe thread, panel mount insert
Terminations: (*see below*)



Visit us at
www.colder.com
 or call toll-free
 1-800-444-2474 for
 a free catalog or your
 local distributor.



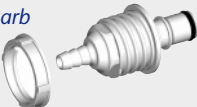
WARNING: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application.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

WARRANTY: All sales are subject to Colder Products Company's limited express warranty set forth in the CPC catalog. Contact your local distributor or CPC Customer Service for warranty provisions.

All measurements are in inches unless otherwise noted.

Contact the factory for red or blue color-coded NS4 couplings.

NS4 Series Couplings

Coupling Bodies	THREAD/TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
Pipe Thread	1/4" NPT 1/4" BSPT		Male NPT Thread Male BSPT Thread	NS4D10004 NS4D10004BSPT
In-Line				
<i>Ferrules Polytube Fitting, PTF</i>	3/8" OD 1/4" ID	9.5mm OD 6.4mm ID	Compression	NS4D13006
<i>Hose Barb</i>	1/8" ID* 1/4" ID 3/8" ID	3.2mm ID* 6.4mm ID 9.5mm ID	Hose Barb Hose Barb Hose Barb	NS4D17002 NS4D17004 NS4D17006
				
Coupling Inserts	THREAD/TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
Pipe Thread	1/4" NPT 1/4" BSPT		Male NPT Thread Male BSPT Thread	NS4D24004 NS4D24004BSPT
In-Line				
<i>Ferrules Polytube Fitting, PTF</i>	3/8" OD 1/4" ID	9.5mm OD 6.4mm ID	Compression	NS4D20006
<i>Hose Barb</i>	1/8" ID* 1/4" ID 3/8" ID	3.2mm ID* 6.4mm ID 9.5mm ID	Hose Barb Hose Barb Hose Barb	NS4D22002 NS4D22004 NS4D22006
				
Panel Mount				
<i>Ferrules Polytube Fitting, PTF</i>	3/8" OD 1/4" ID	9.5mm OD 6.4mm ID	Compression	NS4D40006
<i>Hose Barb</i>	1/8" ID* 1/4" ID 3/8" ID	3.2mm ID* 6.4mm ID 9.5mm ID	Hose Barb Hose Barb Hose Barb	NS4D42002 NS4D42004 NS4D42006
	Panel Hole 15/16"			
Accessories			MATERIAL	PART NO.
<i>Panel Mount Gasket</i>	For sealing panel mount inserts above		EPDM FKM	1879800 1889500

*Patented 1/8" ID (3.2mm) hose barb connection has a support shroud allowing a maximum tube OD of 1/4" (6.4mm).



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