



Specifications

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

32°F to 160°F (0 to 71°C)

MATERIALS:

Main components and valves:
 Glass- lled polypropylene with overmold, ABS with TPE* soft-touch overmold
 Thumb latch Glass- lled polypropylene, ABS
 Valve Springs 16 stainless steel
 O-rings EPDM

COLOR:

Polypropylene Gray with dark gray overmold standard
 gray with red or blue overmold available†

ABS White with teal overmold

TUBING SIZE:

1/8" to 3/8" ID, 3.2mm to 9.5mm

LUBRICANTS: Krytox® PTFE (inert)

SPILLAGE:

<0.10 cc per disconnect at all rated pressures

INCLUSION: 0.26 cc per connect

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

*The overmold material TPV (thermoplastic vulcanizate) is used with the NS4 polypropylene couplings. TPV is an alloy of polypropylene thermoplastic and fully vulcanized EPDM rubber. TPV is typically resistant to water, acids and bases. The overmold material TPE (thermoplastic elastomer) is used with the NS4 ABS couplings. TPE is a blend of additives and copolymers in a special formulation that forms extremely durable bonds to the ABS substrate, while offering the traditional properties of soft-touch overmold.

†NOTE: Standard product is gray, color options require a set-up charge and minimum quantities. Please contact CPC for details.

NS4 Series couplings are non-spill valves in a compact size, at a great price. Use the NS4 when even a few drops pose problems regarding safety, media cost or environmental regulations. Innovative couplings are lightweight, chemically resistant and easy to use. The spill design effectively eliminates spills, minimizes downtime and enhances operator safety.

FEATURES

Non-spill design

Color coding

Glass- lled polypropylene

Medical-grade ABS

BENEFITS

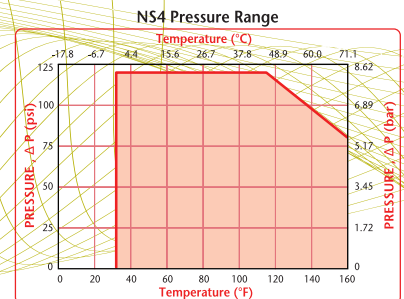
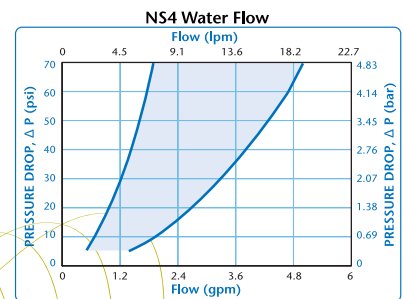
Disconnect under pressure with no spills

Instant visual differentiation of media lines

Durable and compatible with many chemicals

Gamma sterilizable

These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.



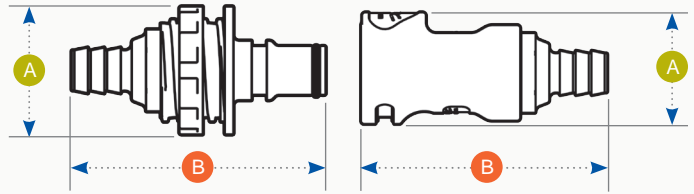
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All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc. **NOTE:** CPC's Ferruleless PTF (polytube fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. **NOTE:** Patented 1/8" ID (3.2mm) hose barb connection has a support shroud allowing a maximum tube OD of 1/4" (6.4mm).

Product Dimensions

A = HEIGHT/DIAMETER
B = TOTAL LENGTH



Coupling Bodies POLYPROPYLENE ABS

TERMINATION	THREDSIZE	METRIQ.	POLYPROPYLENE SUTØF	ABS SUTØF	A	B
IN-LINE PFITTING	1/4" NP		NS4D10004	NS4D1000406	1.05	2.31
	1/4" BSP		NS4D10004BSP	NS4D10004BSP	1.05	2.29
FERRULELESS PTF FITTING	1/4"OD, .17ID	6.4mmOD, 4.3mmID	NS4D13004		1.05	2.32
	3/8"OD, 1/4ID	9.5mmOD, 6.4mmID	NS4D13006	NS4D1300606	1.05	2.45
HOSE BARB	1/8"ID*	3.2mmID*	NS4D17002	NS4D1700206	1.05	2.09
	1/4"ID	6.4mmID	NS4D17004	NS4D1700406	1.05	2.34
	3/8"ID	9.5mmID	NS4D17006	NS4D1700606	1.05	2.34

Coupling Inserts POLYPROPYLENE ABS

ACCESSORIES PANEL MOUNT & SKT FOR SEALING PANEL MOUNT NERS
EPDM 1879800 | FKM 1889500

TERMINATION	THREDSIZE	METRIQ.	POLYPROPYLENE SUTØF	ABS SUTØF	A	B
IN-LINE PFITTING	1/4" NP		NS4D24004	NS4D2400406	.96	1.95
	1/4" BSP		NS4D24004BSP	NS4D24004BSP	.96	1.95
FERRULELESS PTF FITTING	1/4"OD, .17ID	6.4mmOD, 4.3mmID	NS4D20004		.96	1.95
	3/8"OD, 1/4ID	9.5mmOD, 6.4mmID	NS4D20006	NS4D2000606	.96	2.09
HOSE BARB	1/8"ID*	3.2mmID*	NS4D22002	NS4D2200206	.96	1.73
	1/4"ID	6.4mmID	NS4D22004	NS4D2200406	.96	1.98
	3/8"ID	9.5mmID	NS4D22006	NS4D2200606	.96	1.98
PANEL MOUNT FERRULELESS PTF FITTING	1/4"OD, .17ID	6.4mmOD, 4.3mmID	NS4D40004		1.17	2.30
	3/8"OD, 1/4ID	9.5mmOD, 6.4mmID	NS4D40006	NS4D4000606	1.17	2.43
PANEL MOUNT HOSE BARB	1/8"ID*	3.2mmID*	NS4D42002	NS4D4200206	1.17	2.07
	1/4"ID	6.4mmID	NS4D42004	NS4D4200406	1.17	2.32
	3/8"ID	9.5mmID	NS4D42006	NS4D4200606	1.17	2.32
PANEL MOUNT HOSE BARB BELOW	1/4"ID	6.4mmID	NS4D43004		1.19	2.39
	3/8"ID	9.5mmID	NS4D43006		1.19	2.39
E-BOW HOSE BARB	1/4"ID	6.4mmID	NS4D23004		0.96	2.04
	3/8"ID	9.5mmID	NS4D23006		0.96	2.04

Coupling Reader POLYPROPYLENE



TERMINATION	THREDSIZE	METRIQ.	SUTØF
In-line	1/8"ID	3.2mm	iNS4E2200200
Hose barb	1/4"ID	6.4mm	iNS4E2200400
	3/8"ID	9.5mm	iNS4E2200600

Coupling Insert POLYPROPYLENE



TERMINATION	THREDSIZE	METRIQ.	SUTØF
In-line	1/8"ID	3.2mm	iNS4E1700200
Hose barb	1/4"ID	6.4mm	iNS4E1700400
	3/8"ID	9.5mm	iNS4E1700600

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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.

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.

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